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DRAFT QUALITY CONTROL SUMMARY/ ANALYTICAL RESULTS REPORT FOR 80TH
DIVISION RESERVE SITE FORT STORY VA
5/1/2005
MALCOLM PIRNIE

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QUALITY CONTROL SUMMARY/ ANALYTICAL RESULTS REPORT REMEDIAL INVESTIGATION 80TH DIVISION RESERVE SITE

**Installation Restoration Program
Fort Story, Virginia**

**U. S. Army Transportation Center
Fort Eustis, Virginia**

and

**U.S. Army Corps of Engineers
Baltimore District**

May 2005

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DRAFT

QUALITY CONTROL SUMMARY/ ANALYTICAL RESULTS REPORT

**REMEDIAL INVESTIGATION
80th DIVISION RESERVE SITE
FORT STORY, VIRGINIA**

PREPARED FOR:



**U.S. ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT
BALTIMORE, MARYLAND**

and

**U.S. ARMY TRANSPORTATION CENTER
FORT EUSTIS, VIRGINIA**

**CONTRACT DACA31-00-D-0043
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MAY 2005

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Malcolm Pirnie, Inc. was contracted by the U.S. Army Corps of Engineers (USACE), Baltimore District to conduct a Remedial Investigation (RI) at the 80th Division Reserve Site (80th DRS) at Fort Story, Virginia under Contract DACA31-00-D-0043.

ES.1 OBJECTIVES

This *Quality Control Summary/Analytical Results Report (QCS/ARR)* evaluates the quality of the field investigation program and the analytical data produced from the sampling program. The objectives of the quality control (QC) review including the following:

- Review of field investigation procedures and methodologies as discussed in the *Remedial Investigation Work Plan*.
- Review of field data generated and other field-related QC issues.
- Review of analytical data including nonconformance, field investigation program and sampling changes, corrective actions recommended and taken, and a summary of compliance with the data quality objectives (DQOs).

ES.2 SUMMARY OF FIELD INVESTIGATION PROGRAM

A summary of the field QC program and nonconformances and changes related to the field QC program are provided as follows:

- All field DQOs for precision, accuracy, representativeness, completeness and comparability were met during the field investigations at the site through the performance of the following:
 - Collection of the required QA/QC samples were collected.
 - Proper documentation of field activities and analytical requests.
 - Proper and routine calibration and operation of field instrumentation.
 - Consistent sample collection, handling and transportation.
 - Compliance with approved sampling techniques and protocols as established in the RIWP.
- MW-4 was not sampled as it could not be located. However, this is not expected to significantly impact the findings of the RI, as the remainder of the monitoring well network provided sufficient coverage of the site.

ES.3 SUMMARY OF ANALYTICAL DATA

URS Consultants, Inc. (URS) performed a data validation on samples collected at the site for each sample event. The validation was performed in accordance with *Region III Modifications to the*

National Functional Guidelines for Organic Data Review (September 1994), Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analysis (April 1993), and Region III Innovative Approaches to Data Validation (June 1995).

Based on the data validation results, the data generated for the site were considered acceptable. However, two major problems associated with severe QC exceedances from the analytical methods were encountered, which have a serious effect on the usability of some of the data, for two constituents.

Malcolm Pirnie, Inc. was contracted by the U.S. Army Corps of Engineers (USACE), Baltimore District to conduct a Remedial Investigation (RI) at the 80th Division Reserve Site (80th DRS) at Fort Story, Virginia under Contract DACA31-00-D-0043.

1.1 OBJECTIVES

The work was conducted under the requirements of the Department of Defense (DOD) Installation Restoration Program (IRP), which are consistent with U.S. Environmental Protection Agency (EPA) and Virginia Department of Environmental Quality (VDEQ) guidelines. The regulatory guidelines followed during the RI are set forth in "Guidance on Remedial Investigations and Feasibility Studies under CERCLA". All work was conducted in accordance with the Scopes of Services developed by the USACE with field investigation procedures further developed in the *Final Work Plan, Remedial Investigation* dated November 2002, and approved by the USACE, Fort Eustis, VDEQ.

This *Quality Control Summary/Analytical Results Report (QCS/ARR)* evaluates the quality of the field investigation program and the analytical data produced from the sampling program. The objective of the quality control (QC) review of the field investigation program is to evaluate the program in order to assess its effectiveness in producing data quality sufficient in evaluating site conditions and risks. This evaluation includes a review of field investigation procedures and methodologies as discussed in the *Final Field Investigation and Chemical Data Acquisition Plans* (contained in the aforementioned Work Plan), field data generated and other field-related QC issues, as well as the Final Generic Quality Assurance Project Plan, Installation Restoration Program, for Fort Eustis, Virginia, dated September 2002. The analytical data is also evaluated and summarized in this report through a review of nonconformance, field investigation program and sampling changes, corrective actions recommended and taken, and a summary of compliance with the data quality objectives (DQOs).

1.2 SITE DESCRIPTION AND HISTORY

1.2.1 Facility Description and History

Fort Story is located in southeastern Virginia within the city of Virginia Beach, Virginia. Fort Story occupies an area of approximately 1,451 acres and is situated on Cape Henry which roughly divides the waters of the Chesapeake Bay to the north and the Atlantic Ocean to the east.

On 10 March 1914, the Virginia General Assembly ceded 343.1 acres, located at Cape Henry in Princess Anne County, to the U.S. Government "to erect fortifications and for other military purposes." On 14 June 1914, the U.S. District Court acquired title for the land by condemnation proceedings against the Cape Henry Syndicate and other landowners in the Cape Henry subdivision. War Department General Order No. 31, dated 24 July 1916, named this newly acquired tract of land Fort Story in honor of Major General John Patton Story.

Construction of powder magazines and projectile rooms was initiated during the latter part of 1916 and by February 1917, construction of the 16-inch howitzer fortifications had begun. Also, during February 1917, the 2nd and 5th Coast Artillery Companies established the military garrison at Fort Story. From 1917 through 1925, the installation continued to develop as a small coastal artillery garrison consisting of little more than its armament. The only land expansion that occurred during the period was the acquisition of 9.38 acres from the Norfolk and Southern Railway Company in March 1917.

During World War I, Fort Story was integrated into the Coast Defenses of Chesapeake Bay that included Fort Monroe (Headquarters) and Fort Wool (located at the east entrance of the Hampton Roads Bridge Tunnel). On 9 June 1925, Fort Story was designated a Harbor Defense Command by War Department General Order No. 13, but the change in designation added little to the dwindling post-war activity of the garrison.

As World War II approached, Fort Story began an extensive development. Many of the facilities that exist at Fort Story today were constructed at that time, and the installation increased in size to 1,439 acres. An additional 11.82 acres were acquired in 1963 that increased its size to its present 1,451 acres. In the 1940s, the construction included temporary artillery batteries, theater, chapel, fire station, mess halls, barracks, Officer and NCO clubs, shops, additional powder magazines and projectile rooms, six underground storage bunkers and 19 seacoast searchlights.

In December 1941, the Headquarters of the Harbor Defense Command was moved from Fort Monroe to Fort Story. Two harbor defense installations were added to the network in 1941; Fort John Curtis and a mine base. On March 1, 1944, the Chesapeake Bay sector of the Harbor Defenses was inactivated, and control passed to Headquarters, Southeastern Sector, Eastern Defense Command.

By September 1944, Fort Story began a transition from a heavily fortified coast artillery garrison to a convalescent hospital. At the time of its closing on 15 March 1946, the hospital had accommodated over 13,472 patients. At the closing of World War II, Fort Story again changed missions. It assumed the role that it still has today, to train units and individuals for amphibious operations. Fort Story was officially transferred to the Transportation Corps in July 1948 as a subpost of the Transportation Training Command, Fort Eustis, Virginia.

Fort Story trains army personnel in amphibious and Logistics Over-the-Shore (LOTS) operations. Fort Story is the only available facility that has the necessary natural terrain features and beaches, sand, surf, variable tide conditions (bay and ocean) and hinterlands, all of which are normally experienced by amphibious and LOTS operations. In addition, Fort Story contains beach training areas, tactical training areas and a series of trails throughout the installation. The deep water ship anchorage, off-road driving areas and soil of sufficient bearing strength for the heavy vehicles are indispensable in amphibious training, LOTS training and the testing of new equipment, doctrines and techniques.

1.2.2 Site Description and History

The 80th DRS area contains a 50-foot by 70-foot concrete pad surrounded by asphalt on the west, south, and east sides. The north side is bordered by sand that was used as the DRS staging area. Over time, this staging area apparently became contaminated with by-products (primarily petroleum products) of the washing and maintenance operations. A 1,000 gallon used oil UST, 250-gallon antifreeze aboveground storage tank (AST), and a former drum storage area were located west of the wash pad. The location of the 80th DRS is presented on Figure 1-1 in the RI Report.

1.2.3 Previous Investigations

A summary of previous investigations and studies conducted at this site is provided below.

Final Site Assessment Report, Montgomery-Watson, May 1994

Montgomery Watson conducted an investigation from February to May 1994 to evaluate the presence of possible soil contamination in the LARC staging area of the site and around the existing concrete pad. Elevated levels of total petroleum hydrocarbons (TPH) – heavy oils and lead were detected in the shallow soils adjacent to the former drum storage area, tank area, and wash pad area. Based on the limited vertical extent of contaminated soil, excavation of soil and off-site treatment and disposal was feasible.

Site Characterization Report, Environmental Restoration Company (ERC), June 1994

ERC conducted a site characterization of the site in 1994. Based on the site characterization, two areas of soil contamination and one area of groundwater contamination were identified at the site. TPH and lead contamination was discovered in the shallow soil of the LARC staging area. These contaminants are most likely the result of bilge water discharge and sandblasting. TCE and PCE were detected in monitoring well MW-4.

Removal Action Final Report, IT Corporation, August 1995.

From April through July 1995, IT Corporation completed a removal action of contaminated soil from the LARC staging area and from the tank area. Approximately 3,500 tons of TPH-contaminated soils and 30 tons of PCE-contaminated soil were excavated from the site and transported off-site for thermal desorption. Significant quantities of contaminated soils remain in both areas. The areas were backfilled with clean fill.

1.3 REPORT ORGANIZATION

A summary of the organization format of this *QCS/ARR* is provided as follows:

- **Section 1.0** addresses the **Introduction** to the report, discusses the project objectives, provides background information including a site description and history and provides a discussion of previous investigations and provides the report organization.
- **Section 2.0** provides a **Summary of Daily Quality Control Reports** for the site including a discussion of the weather conditions, subcontractors, equipment used and health and safety issues.
- **Section 3.0** provides a **Summary of the Field Investigation Program** including the quality control program and conformance with procedures in the Final Work Plan.
- **Section 4.0** provides a **Summary of Analytical Data** including a summary of results and data validation results.
- **Appendices:**
 - Appendix A - Daily Quality Control Reports
 - Appendix B - Chain-of-Custody Forms
 - Appendix C - Data Validation Reports

Daily quality control reports (DQCRs) were prepared daily for the field investigations at the 80th DRS at Fort Story, Virginia. These reports may include summarized data such as the following:

- Weather conditions
- Subcontractors on-site
- Equipment used
- Work performed at each of the sites
- Quality control activities
- Health and safety levels and activities
- Problems encountered and corrective actions taken
- Other special information
- Planned activities for the following day

A copy of the DQCRs are provided in **Appendix A** of this report. Two field investigation events were conducted at the site as part of the RI. The initial field activities were started at the site on December 3, 2002 with the sampling of site soil and monitoring well installation, and terminated on January 9, 2003 with the completion of groundwater sampling. The second event included the installation of two additional monitoring wells on May 17, 2004 and followed by their sampling on June 14 through 17, 2004.

A summary of some of the significant data provided on the DQCRs is provided in the following sections.

2.1 WEATHER CONDITIONS

In general, weather did not adversely impact field investigations for the site.

2.2 SUBCONTRACTORS

Numerous subcontractors were used to conduct the field activities and to assist in data generation for the 80th DRS at Fort Story including the following:

| <u>Subcontractor</u> | <u>Task</u> |
|---------------------------------|---|
| Fishburne Drilling, Inc. | Monitoring well installation and boring advancement |
| Patton Harris Rust & Associates | Site surveying for monitoring wells |
| CompuChem | Chemical analysis of environmental samples |
| URS Consultants, Inc. | Data validation |

Any discrepancies, problems and corrective actions associated with analytical data are discussed in detail in Section 4.0 of this report.

2.3 EQUIPMENT

Equipment was used for various functions during the field investigation including water quality measurements (i.e., pH, conductivity, temperature), collection of water level data, and other field monitoring tasks.

Field monitoring instruments such as the water quality meter and the photoionization detector (PID) were calibrated at the start of the day's activities and additionally if indications of instrument readings being out of calibration were present. Minor problems were encountered with the operation of the PID. In those instances, any olfactory observations were noted.

2.4 FIELD ACTIVITIES

A detailed discussion of the field investigation conducted and quality control activities performed as part of this investigation is provided in Section 3.0 of this report.

2.5 HEALTH AND SAFETY

Health and safety procedures used to protect personnel during the field investigations were in compliance with the protocols established in the *Site Safety and Health Plan (SSHP)* and Addendum approved by the USACE. All personnel conducting field activities were required to read and understand the *SSHP* and Addendum and sign the acknowledgements page prior to conducting any field operations.

A kickoff meeting prior to initiating of the field investigation was conducted that discussed all health and safety aspects of the project. Daily tailgate meetings were conducted at the initiation of each day to discuss health and safety issues.

All field activities at the site were conducted in Level D personal protective equipment (PPE). PPE used during the field investigation included latex gloves during sampling activities, steel-toed/shanked work boots and hard hats (drilling activities only). No PPE upgrades were required during the field investigation.

SUMMARY OF FIELD INVESTIGATIONS

This section summarizes the field investigation's quality control (QC) program and conformance with the USACE-approved procedures established in the Field Investigation Plan (FIP) and Chemical Data Acquisition Plan (CDAP) including analytical requirements, sampling locations and methodologies, and field documentation requirements for the site. The activities commenced in December 2002 to investigate potential contamination in soils and groundwater and concluded in June 2004 with a second groundwater sampling event.

3.1 FIELD DATA QUALITY OBJECTIVES

The remedial investigation field program for the 80th DRS was evaluated on the project field DQOs. These are quantitative and qualitative statements used to assess the quality of the data required. Field DQOs were used to measure the performance of the field investigation program and their impact on the final results. The evaluation of field DQOs with respect to precision, accuracy, representativeness, completeness and comparability criteria is presented as follows:

- **Precision.** In terms of the precision DQO, the consistent use of sample collection, documentation, handling and transportation procedures as described in the CDAP section of the Remedial Investigation Work Plan (RIWP) during all sampling activities provided data of acceptable quality. Field measurements were made to the required levels of precision as described in Section 5.1 of the RIWP. Field measurement equipment was properly calibrated and the field investigation program properly documented. In addition, sufficient MS/MSD (one per 20 samples per matrix type) and duplicate samples (at least 10 percent of samples) were collected from the sediment, soil, and groundwater to evaluate precision.
- **Accuracy.** In terms of the accuracy DQO, a sufficient number of field equipment rinsate samples (one per sampling equipment type per day) and trip blank samples (one trip blank for each cooler containing aqueous volatile organic samples) were collected to determine whether contamination was introduced from outside the sample matrix. In addition, the field logbooks and sampling forms were completed accurately. Samples were located within one foot of locations described in the FIP, unless otherwise noted in Section 3.3 of this report. Field monitoring equipment was calibrated properly pursuant to the requirements of Section 5.1.1 of the RIWP to ensure accurate measurements were taken.
- **Representativeness.** The representative DQO was met by collecting data that were representative of site conditions. Samples were collected from all media potentially impacted and from designated sample locations, which were upgradient, on-site, and downgradient. This field DQO was achieved by using procedures that maintain the sample, as close as possible, to its original condition when contained. Careful preservation and handling of field samples contributed to acceptable field representativeness.
- **Completeness.** The completeness of the QC data was evaluated by comparing the number of QC samples collected to the number of QC samples required as listed by the RIWP. A

SUMMARY OF FIELD INVESTIGATIONS

completeness goal of 90 percent was established. All field documentation such as sampling forms and the field logbooks were properly completed. In addition, Daily Quality Control Reports were completed every day that field work was conducted.

- **Comparability.** The comparability DQO was achieved by using sampling techniques and equipment that were based on USEPA-accepted methods, follow standard operating procedures as stated in the FIP and CDAP and that produced consistent data and measurement.

3.2 FIELD QUALITY CONTROL PROGRAM

The objective of the field QC program was to collect sufficient QC samples for each sample matrix at the site. QC procedures utilized during the field investigations to support an assessment of the analytical data generated included the collection and analysis of numerous QC samples including duplicates, trip blanks, equipment rinsates, matrix spike/matrix spike duplicates (MS/MSD), and field blanks. A summary of the samples submitted to off-site laboratories for the field investigation is provided in **Table 3-1** for the site.

All samples were collected at the site in containers as specified in **Table 3-2**. Containers and coolers were provided by the analytical laboratory, CompuChem. Information including container types required for each analysis and preservatives placed in containers was provided by CompuChem.

CompuChem also provided Chain-of-Custody (COC) records used to track samples from the site. A copy of the COC was kept by the sampling team prior to shipment to the laboratory. Upon receipt of the coolers, the samples were logged in and the COC signed by the laboratory's sample custodian. A copy of the COC forms is provided in **Appendix B**.

3.3 FIELD INVESTIGATIONS

The following sections discuss the QC program at the site for each sample matrix for the field events (December 2002, January 2003, and June 2004) including an assessment of the number of QC samples collected and a discussion of nonconformances and corrective actions taken, if any, for those nonconformances.

3.3.1 December 2002 Field Activities

3.3.1.1 Soil Sampling

Sampling Procedures

Thirty soil samples from 10 locations were collected using a split spoon sampler from a drill rig at depths of 0 to 6 inches below land surface (BLS), 1 to 3 feet BLS, and 4 to 6 feet BLS throughout the

SUMMARY OF FIELD INVESTIGATIONS

site to assess the nature of contamination and for use in the subsequent risk assessment. Fifteen of the soil samples were collected from the locations of the five newly installed monitoring wells (MW-7, MW-8, MW-9, MW-10, and MW-11). Nine samples from three borings (SB-3, SB-4, and SB-5) were collected from locations surrounding the area that was removed due to PCE contamination (Area B) as identified in the IT Final Report. In addition, three soil samples were collected from a soil boring (SB-2) south of the former wash pad and another three soil samples were collected from a boring (SB-1) east of the former wash pad. Sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.0 of the RI Report. These procedures were consistent with the requirements established in the RIWP.

The soil samples were analyzed off-site for TCL VOCs, TCL semivolatile organics (SVOCs), TCL pesticides/PCBs, total organic carbon (TOC), and TAL metals.

Nonconformances and Corrective Actions

No significant field nonconformances or changes to the approved RIWP were noted during the field investigation.

3.3.1.2 Monitoring Well Installation**Installation Procedures**

Five groundwater monitoring wells were installed at the site. Monitoring well installation, well development, as well as equipment decontamination procedures utilized during the field investigation are described in Section 2.0 of the RI Report. These procedures were consistent with the requirements established in the RIWP.

Nonconformances and Corrective Actions

No significant field nonconformances or changes to the approved RIWP were noted during the field investigation.

3.3.2 January 2003 Field Activities**3.3.2.1 Groundwater Sampling****Sampling Procedures**

Samples from the five newly installed monitoring wells, and from five of the six existing monitoring wells were analyzed off-site for VOCs, SVOCs, total and dissolved metals, TSS, and TDS. Sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.0 of the RI Report. These procedures were consistent with the requirements established in the RIWP.

Nonconformances and Corrective Actions

Field nonconformances and changes to the approved RIWP, corrective actions, and impacts on data quality for monitoring well installation are summarized as follows:

- MW-4 was not sampled as it could not be located. However, this is not expected to significantly impact the findings of the RI, as the remainder of the monitoring well network provided sufficient coverage of the site.

3.3.3 May/June 2004 Field Activities

3.3.3.1 Monitoring Well Installation

Installation Procedures

Two groundwater monitoring wells were installed at the site. Monitoring well installation, well development, as well as equipment decontamination procedures utilized during the field investigation are described in Section 2.0 of the RI Report. These procedures were consistent with the requirements established in the RIWP.

Nonconformances and Corrective Actions

No significant field nonconformances or changes to the approved RIWP were noted during the field investigation.

3.3.3.2 Groundwater Sampling

Sampling Procedures

Samples from the two newly installed monitoring wells, and from 10 existing monitoring wells were analyzed off-site for VOCs. Sampling and equipment decontamination procedures utilized during the field investigation are described in Section 2.0 of the RI Report. These procedures were consistent with the requirements established in the RIWP.

Nonconformances and Corrective Actions

No significant field nonconformances or changes to the approved RIWP were noted during the sampling event.

SUMMARY OF FIELD INVESTIGATIONS**3.4 FIELD INVESTIGATIONS CONCLUSIONS**

A summary of the field QC program and nonconformances and changes related to the field QC program are provided as follows:

- All field DQOs for precision, accuracy, representativeness, completeness and comparability were met during the field investigations at the site through the performance of the following:
 - Proper documentation of field activities and analytical requests.
 - Proper and routine calibration and operation of field instrumentation.
 - Consistent sample collection, handling and transportation.
 - Compliance with approved sampling techniques and protocols as established in the FIP, CDAP and Work Plan.

December 2002 Field Activities Summary:

- No significant field nonconformances or changes to the approved RIWP were noted during the field investigation.

January 2003 Field Activities Summary:

- MW-4 was not sampled as it could not be located. However, this is not expected to significantly impact the findings of the RI, as the remainder of the monitoring well network provided sufficient coverage of the site.

June 2004 Field Activities Summary:

- No significant field nonconformances or changes to the approved RIWP were noted during the field investigation.

SUMMARY OF ANALYTICAL DATA

This section summarizes the analytical data for field and quality control (QC) samples collected at the 80th DRS during the sampling activities conducted in December 2002/January 2003 and June 2004. The sampling and analysis program was conducted in accordance with the quality assurance requirements presented in the Remedial Investigation Work Plan (RIWP).

4.1 DATA VALIDATION

URS Consultants, Inc. performed a data validation on samples collected at the site for each sample event. The validation was performed in accordance with *Region III Modifications to the National Functional Guidelines for Organic Data Review (September 1994)*, *Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analysis (April 1993)*, and *Region III Innovative Approaches to Data Validation (June 1995)*. URS's data validation report for the site data for each event are provided in **Appendix C**, which provide a detailed analysis and summary of the quality of the data generated at the site.

4.2 SUMMARY OF ANALYTICAL RESULTS

4.2.1 December 2002/January 2003 Sampling Event

Based on the data validation results, the data generated for the site were considered acceptable. However, two major problems associated with severe QC exceedances from the analytical methods were encountered, which have a serious effect on the usability of some of the data. The major problems and their overall impact on the data usability are discussed below.

- *Major Problem 1:* The VOC continuing calibrations (CCAL) associated with the groundwater samples (plus field QC blank) exhibited a low (i.e., <0.05) relative response factor for acetone. The non-detect acetone results for all groundwater samples (except GW-MW-117) and field QC blanks were rejected ("R"), while the detected acetone result for GW-MW-117 was qualified as biased low ("L").
 - *Impact on RI Outcome: Minimal.* The Method Detection Limit and Sample Quantitation Limit for Acetone are two to three orders of magnitude below screening criteria. Furthermore, acetone was not a target constituent of concern prior to beginning the investigation.
- *Major Problem 2:* The SVOC CCAL associated with several soil and groundwater samples exhibited a low (i.e., <0.05) relative response factor for atrazine. The non-detect atrazine results for all affected soil, groundwater, and equipment rinsate blank samples were rejected ("R").
 - *Impact on RI Outcome: Minimal.* Atrazine was not a target constituent of concern prior to beginning the investigation.

In addition, a number of minor problems, which reflect biases identified during the data review were encountered. These biases resulted in the qualification of sample results as estimated, biased low, or biased high. However, these biases had little to no impact on data usability. A detailed summary of the minor problems is provided in **Appendix C**.

4.2.2 June 2004 Sampling Event

Based on the data validation results, the data generated for the site were considered acceptable. However, one major problem associated with severe QC exceedences from the analytical methods was encountered, which have a serious effect on the usability of some of the data. The major problem and its overall impact on the data usability are discussed below.

- *Major Problem:* The VOC continuing calibration (CCAL) performed on 6/23/04 exhibited a low (i.e., <0.05) relative response factor for acetone. The non-detect acetone results for all groundwater samples (except for MW-03 and MW-07 which were not associated with this CCAL) were rejected ("R").
 - *Impact on RI Outcome: Minimal.* The Method Detection Limit and Sample Quantitation Limit for Acetone are two to three orders of magnitude below screening criteria. Furthermore, acetone was not a target constituent of concern prior to beginning the investigation.

In addition, a number of minor problems, which reflect biases identified during the data review were encountered. These biases resulted in the qualification of sample results as estimated, biased low, or biased high. However, these biases had little to no impact on data usability. A detailed summary of the minor problems is provided in **Appendix C**.

**QCS/AR Report
80th Division Reserve Site
Fort Story, Virginia**



**TABLE 3-1
ANALYTICAL SUMMARY**

| Sample Type | Sample ID | Analysis | | | | | | | | |
|------------------------------------|------------|----------|-----------|----------------|------------------|----------------------|------------------------|------------------------|----------------------|----|
| | | TCL VOCs | TCL SVOCs | TCL Pest/ PCBs | Total TAL Metals | Dissolved TAL Metals | Total Dissolved Solids | Total Suspended Solids | Total Organic Carbon | pH |
| DECEMBER 2002 FIELD INVESTIGATIONS | | | | | | | | | | |
| Surface Soil | SS-SB01-0 | X | X | X | X | | | | X | X |
| | SS-SB02-0 | X | X | X | X | | | | X | X |
| | SS-SB03-0 | X | X | X | X | | | | X | X |
| | SS-SB04-0 | X | X | X | X | | | | X | X |
| | SS-SB05-0 | X | X | X | X | | | | X | X |
| | SS-MW07-0 | X | X | X | X | | | | X | X |
| | SS-MW08-0 | X | X | X | X | | | | X | X |
| | SS-MW09-0 | X | X | X | X | | | | X | X |
| | SS-MW10-0 | X | X | X | X | | | | X | X |
| Subsurface Soil | SS-SB01-1 | X | X | X | X | | | | X | X |
| | SS-SB01-4 | X | X | X | X | | | | X | X |
| | SS-SB02-1 | X | X | X | X | | | | X | X |
| | SS-SB02-4 | X | X | X | X | | | | X | X |
| | SS-SB03-1 | X | X | X | X | | | | X | X |
| | SS-SB03-4 | X | X | X | X | | | | X | X |
| | SS-SB04-1 | X | X | X | X | | | | X | X |
| | SS-SB04-4 | X | X | X | X | | | | X | X |
| | SS-SB05-1 | X | X | X | X | | | | X | X |
| | SS-SB05-4 | X | X | X | X | | | | X | X |
| | SS-MW07-1 | X | X | X | X | | | | X | X |
| | SS-MW07-4 | X | X | X | X | | | | X | X |
| | SS-MW08-1 | X | X | X | X | | | | X | X |
| | SS-MW08-4 | X | X | X | X | | | | X | X |
| | SS-MW09-1 | X | X | X | X | | | | X | X |
| | SS-MW09-4 | X | X | X | X | | | | X | X |
| | SS-MW10-1 | X | X | X | X | | | | X | X |
| | SS-MW10-4 | X | X | X | X | | | | X | X |
| | SS-MW11D-1 | X | X | X | X | | | | X | X |
| | SS-MW11D-4 | X | X | X | X | | | | X | X |

**TABLE 3-1
ANALYTICAL SUMMARY**

| Sample Type | Sample ID | Analysis | | | | | | | | |
|-----------------------------------|-----------|----------|-----------|----------------|------------------|----------------------|------------------------|------------------------|----------------------|----|
| | | TCL VOCs | TCL SVOCs | TCL Pest/ PCBs | Total TAL Metals | Dissolved TAL Metals | Total Dissolved Solids | Total Suspended Solids | Total Organic Carbon | pH |
| JANUARY 2003 FIELD INVESTIGATIONS | | | | | | | | | | |
| Groundwater | GW-MW01 | X | X | X | X | X | X | X | | |
| | GW-MW02 | X | X | X | X | X | X | X | | |
| | GW-MW03 | X | X | X | X | X | X | X | | |
| | GW-MW05 | X | X | X | X | X | X | X | | |
| | GW-MW06 | X | X | X | X | X | X | X | | |
| | GW-MW07 | X | X | X | X | X | X | X | | |
| | GW-MW08 | X | X | X | X | X | X | X | | |
| | GW-MW09 | X | X | X | X | X | X | X | | |
| | GW-MW10 | X | X | X | X | X | X | X | | |
| | GW-MW11 | X | X | X | X | X | X | X | | |
| JUNE 2004 FIELD INVESTIGATIONS | | | | | | | | | | |
| Groundwater | GW-MW01 | X | | | | | | | | |
| | GW-MW02 | X | | | | | | | | |
| | GW-MW03 | X | | | | | | | | |
| | GW-MW05 | X | | | | | | | | |
| | GW-MW06 | X | | | | | | | | |
| | GW-MW07 | X | | | | | | | | |
| | GW-MW08 | X | | | | | | | | |
| | GW-MW09 | X | | | | | | | | |
| | GW-MW10 | X | | | | | | | | |
| | GW-MW11 | X | | | | | | | | |
| | GW-MW12 | X | | | | | | | | |
| | GW-MW13 | X | | | | | | | | |

TABLE 3-2
CONTAINER TYPE AND HOLDING TIME REQUIREMENTS

| ANALYSIS | CONTAINER | PRESERVATION | HOLDING TIME |
|-------------------------------------|---|--|--------------------------------|
| SOIL | | | |
| TAL Metals | 500-ml plastic | Cool to 4°C | 6 months |
| TCL VOCs | 125-ml amber glass with teflon-lined lid & 3 En Core Samplers | Cool to 4°C | 2 days/14 days /40 days (1) |
| TCL SVOCs | 500-ml glass with Teflon-lined lid | Cool to 4°C | 14 days/40 days (2) |
| TCL Pest/PCBs | 500-ml glass with Teflon-lined lid | Cool to 4°C | 14 days/40 days (2) |
| Total Organic Carbon | 250-ml plastic | Cool to 4°C | 28 days |
| GROUNDWATER | | | |
| TAL Metals (Total & Dissolved) | 250-ml plastic | one HNO ₃ to pH < 2 Cool to 4°C | 6 months |
| Mercury (Total & Dissolved) | 500-ml plastic | one HNO ₃ to pH < 2 Cool to 4°C | 28 days |
| TCL VOCs | 3 - 40 ml glass vials with septa caps | HCl or NaHSO ₄ to pH < 2 Cool to 4°C | 7 days/40 days (3) |
| TCL SVOCs | 2 - 1 liter amber glass | Cool to 4°C | 7 days/40 days (3) |
| TCL Pest/PCBs | 2 - 1 liter amber glass | Cool to 4°C | 7 days/40 days (3) |
| TSS | 500-ml plastic | Cool to 4°C | 7 days |
| TDS | 500-ml plastic | Cool to 4°C | 7 days |
| IDW (Soil) | | | |
| TCLP Metals, SVOCs, Pesticides | 500-ml plastic | Cool to 4°C | 14 days/40 days (2) |
| TCLP VOCs | 125-ml amber glass with Teflon-lined lid | Cool to 4°C | 14 days/40 days (2) |
| PCBs | 250-ml amber glass with Teflon-lined lid | Cool to 4°C | 14 days/40 days (2) |
| TPH-DRO | 250-ml amber glass with Teflon-lined lid | Cool to 4°C | 14 days/40 days (2) |
| TPH-GRO | 125-ml amber glass with teflon-lined lid & 3 En Core Samplers | Cool to 4°C | 14 days/40 days (2) |
| Reactivity (cyanide and sulfide) | 250-ml plastic | Cool to 4°C | 28 days |

TABLE 3-2
CONTAINER TYPE AND HOLDING TIME REQUIREMENTS

| ANALYSIS | CONTAINER | PRESERVATION | HOLDING TIME |
|-------------------------------------|--|--|----------------------|
| IDW (Water) | | | |
| TCLP Metals | 500-ml plastic | Cool to 4°C | 14 days/180 days (3) |
| TCLP Mercury | 500-ml plastic | Cool to 4°C | 14 days/28 days (4) |
| TCLP VOCs | 3 - 40 ml glass vials with septa caps | Cool to 4°C | 14 days/14 days (5) |
| TCLP SVOCs | 2 - 1 liter amber glass | Cool to 4°C | 14 days/40 days (2) |
| TCLP Pesticides | 2 - 1 liter amber glass | Cool to 4°C | 14 days/40 days (2) |
| TCL PCBs | 2 - 1 liter amber glass | Cool to 4°C | 14 days/40 days (2) |
| TPH DRO | 2 - 1 liter amber glass | Cool to 4°C | 14 days/40 days (2) |
| TPH GRO | 3 - 40 ml glass vials with septa caps | HCl or NaHSO ₄ to pH < 2 Cool to 4°C | 14 days/40 days (2) |
| Reactivity (cyanide and sulfide) | 250-ml plastic | Cool to 4°C | 14 days |
| Corrosivity | 250-ml glass | Cool to 4°C | ASAP |
| Ignitability | 250-ml glass | Cool to 4°C | None |

Notes:

- (1) 14 days/40 days - Holding times are 2 days for extraction from En Cores, 14 days for extraction glass jars, and 40 days for analysis.
- (2) 14 days/40 days - Holding times are 14 days for extraction and 40 days for analysis.
- (3) 14 days/180 days - Holding times are 14 days for TCLP extraction and 180 days for analysis.
- (4) 14 days/28 days - Holding times are 14 days for TCLP extraction and 28 days for analysis.
- (5) 14 days/14 days - Holding times are 14 days for TCLP extraction and 14 days for analysis.

Appendix A

Daily Quality Control Reports

QCS/AR Report 80th Division Reserve Site Fort Story, Virginia



FIGURE 2

Date 12 / 63 / 02

MALCOLM PIRNIE, INC.
DAILY QUALITY CONTROL REPORT

USACE PM: _____
Fort Story Rep: Joanna Bateman
Malcolm Pirnie PM: Tony Pace

Project: _____ 80th Division Reserve Site
Malcolm Pirnie Job No. _____ 0285-917
USACE Contract No. DACA31-00-D-0043
Delivery Order No. _____

| | | | | | | | |
|-----|---|---|---|---|----|---|---|
| Day | S | M | T | W | TH | F | S |
| | | | X | | | | |

| | | | | | |
|-------------|------------|----------|----------|------------|------|
| Weather | Bright Sun | Clear | Overcast | Rain | Snow |
| Temperature | < 32 | 32 - 50 | 50 - 70 | 70-85 | >85 |
| Wind | Still | Moderate | High | REPORT NO. | |
| Humidity | Dry | Moderate | Humid | | |

| | |
|--------------------------------------|--|
| SUBCONTRACTORS ON-SITE: | |
| Fishburne Drilling | |
| EQUIPMENT ON SITE: | |
| Drill rig | |
| PID | |
| WORK PERFORMED (INCLUDING SAMPLING): | |
| WELL INSTALLATION | |
| SOIL SAMPLING | |
| SOIL CHARACTERIZATION | |

FIGURE 2 (CONT.)

Project: _____ 80th Division Reserve Site
Malcolm Pirnie Project No. _____ 0285-917

Report No. _____
Date 12 / 03 / 02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

PID: 0.0 fresh air
99.3 security line

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

- Drill rig had to avoid fence, overhead utility lines
- PID failed @ MW12 ~ MW recharge
no odors detected as samples were collected
- may have to use an ATV to install MW12, 13

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

- Finish MWs & SBS

BY _____ Gerlyn T. Perlas

TITLE _____

Engineer

Page 2 of 2

FIGURE 2

Date 12 / 4 / 02

MALCOLM PIRNIE, INC.
DAILY QUALITY CONTROL REPORT

USACE PM: _____
Fort Story Rep: Joanna Matemon
Malcolm Pirnie PM: Tony Pace

Project: _____ 80th Division Reserve Site
Malcolm Pirnie Job No. _____ 0285-917
USACE Contract No. DACA31-00-D-0043
Delivery Order No. _____

| | | | | | | | |
|-----|---|---|---|---|----|---|---|
| Day | S | M | T | W | TH | F | S |
| | | | | X | | | |

| | | | | | |
|-------------|------------|----------|----------|------------|------|
| Weather | Bright Sun | Clear | Overcast | Rain | Snow |
| Temperature | < 32 | 32 - 50 | 50 - 70 | 70-85 | >85 |
| Wind | Still | Moderate | High | REPORT NO. | |
| Humidity | Dry | Moderate | Humid | | |

[illegible]

FIGURE 2 (CONT.)

Project: _____ 80th Division Reserve Site
Malcolm Pirnie Project No. _____ 0285-917

Report No. _____
Date 12 / 4 / 02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

P10 fresh air: 0.0 ppm
ISOBUTYLENE: 100 ppm

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

- Sand was too loose in area surrounding well location.
will have to use an ATV to install well. Fishburne will arrange
to use ATV.

SPECIAL NOTES:**TOMORROW'S EXPECTATIONS:**

Finish well installations, developing

BY _____ Gerlyn T. Perlas

TITLE Engineer

Page 2 of 2

FIGURE 2

Date 12 / 5 / 02

MALCOLM PIRNIE, INC.
DAILY QUALITY CONTROL REPORT

USACE PM: _____

Fort Story Rep: _____

Malcolm Pirnie PM: _ Tony Pace

Project: _____ 80th Division Reserve Site

Malcolm Pirnie Job No. _____ 0285-917 / 0285-900

USACE Contract No. DACA31-00-D-0043

Delivery Order No. _____

| | | | | | | | |
|-----|---|---|---|---|----|---|---|
| Day | S | M | T | W | TH | F | S |
| | | | | | X | | |

| | | | | | |
|-------------|------------|----------|----------|------------|------|
| Weather | Bright Sun | Clear | Overcast | Rain | Snow |
| Temperature | < 32 | 32 - 50 | 50 - 70 | 70 - 85 | > 85 |
| Wind | Still | Moderate | High | REPORT NO. | |
| Humidity | Dry | Moderate | Humid | | |

| |
|--------------------------------------|
| SUBCONTRACTORS ON-SITE: |
| Fishburne Drilling |
| EQUIPMENT ON SITE: |
| Drill rig |
| PID |
| WORK PERFORMED (INCLUDING SAMPLING): |
| Well development |
| Well installation |
| Soil characterization |

FIGURE 2 (CONT.)

Project: _____ 80th Division Reserve Site

Report No. _____

Malcolm Pirnie Project No. _____ 0285-917/0285-900

Date 12 / 5 / 02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

PM Fresh air : 0.0 ppm
Isocyanate : 100 ppm

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level 0

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

- Drillers did not arrive until 12 pm (original driller called in sick)
- Drill rig not functioning when moved @ 6pm - G. Fishburne will arrange to bring another drill rig to finish installations

SPECIAL NOTES:**TOMORROW'S EXPECTATIONS:**

Finish installing monitoring wells

BY _____ Gerlyn T. Perlas

TITLE Engineer

Page 2 of 2

Date 12 / 6 / 02

| | | | | | | | |
|-----|---|---|---|---|----|---|---|
| Day | S | M | T | W | TH | F | S |
| | | | | | | X | |

| | | | | | |
|-------------|------------|----------|----------|------------|------|
| Weather | Bright Sun | Clear | Overcast | Rain | Snow |
| Temperature | < 32 | 32 - 50 | 50 - 70 | 70-85 | >85 |
| Wind | Still | Moderate | High | REPORT NO. | |
| Humidity | Dry | Moderate | Humid | | |

Project: _____ 80th Division Reserve Site / **LARCGO**
 Malcolm Pirnie Job No. _____ 0285-917
 USACE Contract No. DACA31-00-D-0043
 Delivery Order No. _____

| |
|--------------------------------------|
| SUBCONTRACTORS ON-SITE: |
| Fishburne Drilling |
| EQUIPMENT ON SITE: |
| Drill rig |
| PID |
| WORK PERFORMED (INCLUDING SAMPLING): |
| SOIL CHARACTERIZATION |
| WELL INSTALLATION |

FIGURE 2 (CONT.)

Project: _____ 80th Division Reserve Site */LARC 60*

Report No. _____

Malcolm Pirnie Project No. _____ 0285-917

Date 12 / 6 / 02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

PID: Fresh Air - 0.0 ppm
Isobutylene - 101 ppm

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

Develop wells

BY Gerlyn T. Perlas

TITLE Engineer

Date 12 / 9 / 02

| | | | | | | | |
|-----|---|---|---|---|----|---|---|
| Day | S | M | T | W | TH | F | S |
| | | X | | | | | |

| | | | | | |
|-------------|------------|----------|----------|------------|------|
| Weather | Bright Sun | Clear | Overcast | Rain | Snow |
| Temperature | < 32 | 32 - 50 | 50 - 70 | 70-85 | >85 |
| Wind | Still | Moderate | High | REPORT NO. | |
| Humidity | Dry | Moderate | Humid | | |

Project: 80th Division Reserve Site **LARC 60 maint. Area**
Malcolm Pirnie Job No. 0285-917900
USACE Contract No. DACA31-00-D-0043
Delivery Order No. _____

| | |
|---------------------------------------|--|
| SUBCONTRACTORS ON-SITE: | |
| Fishburne Drilling | |
| EQUIPMENT ON SITE: | |
| Drill rig Submersible pump | |
| Water level indicator (Solinst WL) | |
| WORK PERFORMED (INCLUDING SAMPLING): | |
| Developed monitoring wells | |

FIGURE 2 (CONT.)

Project: 80th Division Reserve Site LARC 60 MAINT. AREA
 Malcolm Pirnie Project No. 0285-917 900

Report No. _____

Date 12 / 9 / 02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Haniba U-10 pH: 3.97
 Cond: 4.49
 Turb: 0

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

Install MW-09 @ 80th DIVISION Reserve Site

BY Gerlyn T. Perlas

TITLE Engineer

FIGURE 2

Date 12 / 10 / 02

MALCOLM PIRNIE, INC.
DAILY QUALITY CONTROL REPORT

USACE PM: _____
Fort Story Rep: Joanna Bateman
Malcolm Pirnie PM: Tony Pace

Project: 50th Division Reserve Site
 Malcolm Pirnie Job No. 0285-917
 USACE Contract No. DACA31-00-D-0043
 Delivery Order No.

| | | | | | | | |
|-----|---|---|---|---|----|---|---|
| Day | S | M | T | W | TH | F | S |
| | | | X | | | | |

| | | | | | |
|-------------|------------|----------|----------|------------|------|
| Weather | Bright Sun | Clear | Overcast | Rain | Snow |
| Temperature | < 32 | 32 - 50 | 50 - 70 | 70-85 | >85 |
| Wind | Still | Moderate | High | REPORT NO. | |
| Humidity | Dry | Moderate | Humid | | |

| |
|---|
| SUBCONTRACTORS ON-SITE: |
| Fishburne Drilling |
| EQUIPMENT ON SITE: |
| Drill rig - ATV |
| WORK PERFORMED (INCLUDING SAMPLING): |
| well installation |
| soil characterization |
| well development |

FIGURE 2 (CONT.)

Project: _____ 80th Division Reserve Site

Report No. _____

Malcolm Pirnie Project No. _____ 0285-917

Date 12 / 10 / 02

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Horiba U-10 pH: 4
 cond: 4.49
 turb: 0

PID fresh air: 0.0 ppm
 ISOBUTYLENE: 100 ppm

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**SPECIAL NOTES:****TOMORROW'S EXPECTATIONS:**

BY _____ Gerlyn T. Perlas

TITLE Engineer

Page 2 of 2

Date 1 7/63

| | | | | | | | |
|-----|---|---|---|---|----|---|---|
| Day | S | M | T | W | TH | F | S |
| | | | X | | | | |

Fort Ellis Rep: Joanna Batoran
Malcolm Pirnie PM: TONY pace

Malcolm Pirnie Job No. 0285917

Delivery Order No. _____

| | | | | | |
|-------------|------------|----------|----------|------------|------|
| Weather | Bright Sun | Clear | Overcast | Rain | Snow |
| Temperature | < 32 | 32 - 50 | 50 - 70 | 70-85 | >85 |
| Wind | Still | Moderate | High | REPORT NO. | |
| Humidity | Dry | Moderate | Humid | | |

EQUIPMENT ON SITE:

NOB 11-11
SWINIST 111 Generator Ground for
WORK PERFORMED (INCLUDING SAMPLING)

WORK PERFORMED (INCLUDING SAMPLING):

G.W. Shimpfing

FIGURE 2 (CONT.)

Project: 80 MRS

Report No. _____

Malcolm Pirnie Project No. 0285917

Date 1/7/03

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Hondu PH 3.8
COND 4.47
DIB 0

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

Resume GW monitoring

BY Jerilyn Perkins TITLE Engineer

MALCOLM PIRNIE, INC.
DAILY QUALITY CONTROL REPORT

| | | | | | | | |
|-----|---|---|---|---|----|---|---|
| Day | S | M | T | W | TH | F | S |
| | | | | X | | | |

| | | | | | |
|-------------|------------|----------|----------|------------|------|
| Weather | Bright Sun | Clear | Overcast | Rain | Snow |
| Temperature | < 32 | 32 - 50 | 50 - 70 | 70-85 | >85 |
| Wind | Still | Moderate | High | REPORT NO. | |
| Humidity | Dry | Moderate | Humid | | |

GW monitoring

FIGURE 2 (CONT.)

Project: 80 MRS

Report No. _____

Malcolm Pirnie Project No. 0285917

Date 1/8/03

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

HORIBA U-10: pH: 8.75
Cond: 4.59
TURB: 2

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

PM 18h sampling

BY Gerehyn Perlas TITLE Engineer

Date 61/09/03

| | | | | | | | |
|-----|---|---|---|---|----|---|---|
| Day | S | M | T | W | TH | F | S |
| | | | | | X | | |

| | | | | | |
|-------------|------------|----------|----------|------------|------|
| Weather | Bright Sun | Clear | Overcast | Rain | Snow |
| Temperature | < 32 | 32 - 50 | 50 - 70 | 70-85 | >85 |
| Wind | Still | Moderate | High | REPORT NO. | |
| Humidity | Dry | Moderate | Humid | | |

Project: 80 DRS
Malcolm Pirnie Job No. 0285917
USACE Contract No. DACA31-00-D-0043
Delivery Order No. _____

SUBCONTRACTORS ON-SITE:

EQUIPMENT ON SITE:

Generator, Honda 11-10, Grundfos, Solinst 101

WORK PERFORMED (INCLUDING SAMPLING):

GW sampling

FIGURE 2 (CONT.)Project: 80 DRS
Malcolm Pirnie Project No. 0285917Report No. _____
Date 01/09/03**QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):**HORIBA U-10pH : 3.99Cond : 4.51turb: 0**HEALTH AND SAFETY LEVELS AND ACTIVITIES:**Level D**PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:**cannot locate MW13. may be beneath pile of scrap metal.
will await further instructions from T. Pace.**SPECIAL NOTES:****TOMORROW'S EXPECTATIONS:**

BY

Gevelyn Perlas

TITLE

Engineer

Appendix B ***Chain-of-Custody Forms***

QCS/AR Report 80th Division Reserve Site Fort Story, Virginia





501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF- STUDY RECORD

No.

| | | |
|---------------------------|---|--|
| Project Name: 80 DCS | Client Address: Metcalf & Eddy 2015 Lincoln Center Dr. #600 San Francisco, CA 94109 | Point-of-Contact: Tim R. Pace |
| Carrier: WSP | Vehicle: 2004 Ford Focus | Telephone No.: 771 835 2100 |
| Airbill No.: 22606 | | Sampling complete? Y or N (see Note 1) |
| Sampler Name: Tim R. Pace | Sampler Signature: [Signature] | Project-specific (PS) or Batch (B) QC? |

| | | | | |
|---|--|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP |
|---|--|---|---|---|

| Sample ID (9 characters maximum) | | | | | | | | | | Date: Year: _____ | Time: _____ | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | | | | | | | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|---|---|---|---|---|---|---|---|---|-------------------|-------------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|--|--|--|--|------------------|--|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | 4 | | 7 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | 10/1/10 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | 3 | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | all in 100% benz | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | 2 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | | | | | | | | | | | | | | | | 10/1/10 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | 7 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | 10/1/10 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | / | : | | | | | | | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |

Clients Special Instructions:

Temperature °C

Lab: Received in Good Condition? Y or N Describe Problems, If any:

| | | | | | |
|---------------------------|-------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.

COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue

Cary, NC 27513

1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 100-300000-100

| | | |
|------------------------------|-----------------------------------|---|
| Project Name : GO HRS | Client Address : Molekin Farms | Point-of-Contact : Tony Pace |
| Carrier : UPS | 701 Town Center Drive, #600 | Telephone No. : 757-873-8700 |
| Airbill No. : | Newport News, VA 23606 | Sampling complete? Y or N (see Note 1) |
| Sampler Name : Gerina Perles | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | |
|---|--|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP |
|---|--|---|---|---|

[illegible]**Clients Special Instructions:**

Temperature _____ °C

| Lab: Received in Good Condition? Y or N | | Describe Problems, If any: | | | |
|---|-------|----------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.

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501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 59-3

| | | | | | | |
|-------------------------------------|---|---|--|--|--|--|
| Project Name : 80 NRS | | Client Address : Malcolm Pirnie | | Point-of-Contact : Tony Pace | | |
| Carrier : VLT | | 701 Town Center Drive, #600 | | Telephone No. 757-873-8700 | | |
| Airbill No. : | | Newport News, VA 23606 | | Sampling complete? Y or N (see Note 1) | | |
| Sampler Name : Corlyn Perles | | Sampler Signature : | | Project-specific (PS) or Batch (B) QC ? | | |
| | BOX #2 A. HCl + Ice F. Ice Only B. HNO ₃ + Ice G. Other _____ C. NaOH + Ice H. NaHSO ₄ + Ice D. H ₂ SO ₄ + Ice I. ZnAc+NaOH + Ice E. Unpreserved | | BOX #3 F. Filtered U. Unfiltered | | Box #4 H. High M. Medium L. Low | |
| | | | | | Box #5 C. CLP 3/90 T. TCLP S. SW-846 W. CWA 600-series O. Other _____ | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Sample ID (9 characters maximum) | | | | | | | | | | Date: Year: _____ | Time: _____ | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | | | | | | | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|----|----|----|----|----|----|----|----|----|-------------------|-------------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|--|--|--|-----------|--|--|---|
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SAMPLE ID | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | | | | | | | | | | | | | | | | SS-MW10-4 | | | |
| 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | / | : | | | | | </ | | | | | | | | | | | | | | | | | | |

Clients Special Instructions:

Temperature _____ °C

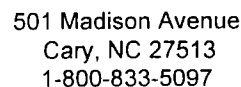
Lab: Received in Good Condition? Y or N Describe Problems, If any:

| | | | | | |
|---------------------------|-------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



No.

| | | | | | | | |
|--|---|--|--|---|---|--|---------|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|--|---|--|--|---|---|--|---------|

[illegible]

Temperature _____ °C

| | | | | | |
|---------------------------|-------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (3): All lab copies of data destroyed after three years.



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a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY STUDY RECORD

No. 060965

| | | |
|-----------------------------------|--|---|
| Project Name : <u>Geo. WBS</u> | Client Address : <u>Mountain Road</u> <u>741 Tuller Lake Dr. Hico</u> | Point-of-Contact : <u>Mr. Hico</u> |
| Carrier : <u>WBS</u> | <u>NC-203 NC-VA</u> | Telephone No. : <u>1-800-833-5097</u> |
| Airbill No. : | <u>25600</u> | Sampling complete? Y or N (see Note 1) |
| Sampler Name : <u>Mr. T. Hico</u> | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | |
|--|---|--|--|---|---|--|---------|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|--|---|--|--|---|---|--|---------|

| Sample ID (9 characters maximum) | | | | | | | | | | Date: Year: _____ | Time: _____ | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|--|--|-------------------|-------------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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Clients Special Instructions:

Temperature _____ °C

Lab: Received in Good Condition? Y or N

Describe Problems, If any:

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| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
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| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



COMPUCHEM

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501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF- STUDY RECORD

No. 15710

| | | |
|-----------------------------------|---|---|
| Project Name : SO DRS | Client Address : 741 TOWN CENTER DR. N. BURLINGAME, CA 94002 | Point-of-Contact : TERRY PAUL |
| Carrier : WATER | Telephone No. : 415 373 5700 | Sampling complete? Y or N (see Note 1) |
| Airbill No. : | | |
| Sampler Name : Gordon J. Drake | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | |
|--|---|--|--|---|---|--|---------|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|--|---|--|--|---|---|--|---------|

| Sample ID (9 characters maximum) | | | | | | | | | | Date/Year: | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | | | | | | | | | | | Remarks / Comments (see Notes 2 & 3) | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|------------|------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|------|------|-----------|-----|-----------|------------------|---------|-----------|-----------|--|--|--|--|--|--|--|--|--|--|---|--|
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| | | | | | | | | | | 1/1 | 1:00 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1/1 | 1:00 | 4 | A | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1008-1204-12 | |
| | | | | | | | | | | 1/1 | 1:00 | 4 | | | | 4 | | | 1001 | | | | | | | | | | | | | | | | | | | 1008-1204-12 | |
| | | | | | | | | | | 1/1 | 1:00 | 1 | B | H | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | 1008-1204-12 | |
| | | | | | | | | | | / | : | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | / | : | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | / | : | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Clients Special Instructions:

Temperature _____ °C

Lab: Received in Good Condition? Y or N Describe Problems, If any:

| | | | | | |
|---|--------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <i>[Signature]</i> | Date: 1/1/00 | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <i>Liberty Analytical Corp.</i> | Time: 1:00 | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.

COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue

Cary, NC 27513

1-800-833-5097

CHAIN-OF- STUDY RECORD

No.

| | | |
|-------------------------------|------------------------------------|---|
| Project Name : 80 DRS | Client Address : Malcolm Pirnie | Point-of-Contact : Tony Pace |
| Carrier : LIFE | 701 Town Center Drive, #600 | Telephone No. 757-873-8700 |
| Airbill No. : | Newport News, VA 23606 | Sampling complete? Y or N (see Note 1) |
| Sampler Name : Carolyn Perlas | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | | | | | | |
|---------------|---|---|---------------|---|--|---------------|------------------------------|---------------|--------------------------------|---------------|---|---------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 | A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | Box #4 | H. High M. Medium L. Low | Box #5 | C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | I. TCLP |
|---------------|---|---|---------------|---|--|---------------|------------------------------|---------------|--------------------------------|---------------|---|---------|

[illegible]

Temperature _____ °C

Clients Special Instructions:

Lab: Received in Good Condition? Y or N

Describe Problems, If any:

| | | | | | |
|--|--------------------|---------------------------|-------|---------------------------|-------|
| Lab: Received in Good Condition: <i>100%</i> | | | | | |
| #1 Relinquished By: (Sig) <i>[Signature]</i> | Date: <i>1/16</i> | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <i>Michael R. Smith</i> | Time: <i>11:00</i> | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

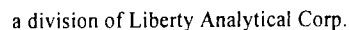
CHAIN-OF- STUDY RECORD

No. 6812

| | | |
|------------------------------|------------------------------------|---|
| Project Name : 80 DRS | Client Address : Malcolm Pirnie | Point-of-Contact : Tony Pace |
| Carrier : DTS | 701 Town Center Drive, #600 | Telephone No. :757-873-8700 |
| Airbill No. : | Newport News, VA 23606 | Sampling complete? Y or N (see Note 1) |
| Sampler Name : Gerlyn Perlas | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | |
|---|---|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. NaHSO4 + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP |
|---|---|---|---|---|

| Sample ID (9 characters maximum) | Date/Year | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|-----------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|---|
| 12-01-01-01-01 | 12/01/01 | 10:00 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-01 |
| 12-01-01-01-02 | 12/01/01 | 10:05 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-02 |
| 12-01-01-01-03 | 12/01/01 | 10:10 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-03 |
| 12-01-01-01-04 | 12/01/01 | 10:15 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-04 |
| 12-01-01-01-05 | 12/01/01 | 10:20 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-05 |
| 12-01-01-01-06 | 12/01/01 | 10:25 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-06 |
| 12-01-01-01-07 | 12/01/01 | 10:30 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-07 |
| 12-01-01-01-08 | 12/01/01 | 10:35 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-08 |
| 12-01-01-01-09 | 12/01/01 | 10:40 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-09 |
| 12-01-01-01-10 | 12/01/01 | 10:45 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-10 |
| 12-01-01-01-11 | 12/01/01 | 10:50 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-11 |
| 12-01-01-01-12 | 12/01/01 | 10:55 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-12 |
| 12-01-01-01-13 | 12/01/01 | 11:00 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-13 |
| 12-01-01-01-14 | 12/01/01 | 11:05 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-14 |
| 12-01-01-01-15 | 12/01/01 | 11:10 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-15 |
| 12-01-01-01-16 | 12/01/01 | 11:15 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-16 |
| 12-01-01-01-17 | 12/01/01 | 11:20 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-17 |
| 12-01-01-01-18 | 12/01/01 | 11:25 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-18 |
| 12-01-01-01-19 | 12/01/01 | 11:30 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-19 |
| 12-01-01-01-20 | 12/01/01 | 11:35 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-20 |
| 12-01-01-01-21 | 12/01/01 | 11:40 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-21 |
| 12-01-01-01-22 | 12/01/01 | 11:45 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-22 |
| 12-01-01-01-23 | 12/01/01 | 11:50 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-23 |
| 12-01-01-01-24 | 12/01/01 | 11:55 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-24 |
| 12-01-01-01-25 | 12/01/01 | 12:00 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-25 |
| 12-01-01-01-26 | 12/01/01 | 12:05 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-26 |
| 12-01-01-01-27 | 12/01/01 | 12:10 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-27 |
| 12-01-01-01-28 | 12/01/01 | 12:15 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-28 |
| 12-01-01-01-29 | 12/01/01 | 12:20 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-29 |
| 12-01-01-01-30 | 12/01/01 | 12:25 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-30 |
| 12-01-01-01-31 | 12/01/01 | 12:30 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-31 |
| 12-01-01-01-32 | 12/01/01 | 12:35 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-32 |
| 12-01-01-01-33 | 12/01/01 | 12:40 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-33 |
| 12-01-01-01-34 | 12/01/01 | 12:45 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-34 |
| 12-01-01-01-35 | 12/01/01 | 12:50 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-35 |
| 12-01-01-01-36 | 12/01/01 | 12:55 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-36 |
| 12-01-01-01-37 | 12/01/01 | 1:00 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-37 |
| 12-01-01-01-38 | 12/01/01 | 1:05 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-38 |
| 12-01-01-01-39 | 12/01/01 | 1:10 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-39 |
| 12-01-01-01-40 | 12/01/01 | 1:15 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-40 |
| 12-01-01-01-41 | 12/01/01 | 1:20 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-41 |
| 12-01-01-01-42 | 12/01/01 | 1:25 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-42 |
| 12-01-01-01-43 | 12/01/01 | 1:30 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-43 |
| 12-01-01-01-44 | 12/01/01 | 1:35 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-44 |
| 12-01-01-01-45 | 12/01/01 | 1:40 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-45 |
| 12-01-01-01-46 | 12/01/01 | 1:45 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-46 |
| 12-01-01-01-47 | 12/01/01 | 1:50 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-47 |
| 12-01-01-01-48 | 12/01/01 | 1:55 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-48 |
| 12-01-01-01-49 | 12/01/01 | 2:00 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-49 |
| 12-01-01-01-50 | 12/01/01 | 2:05 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-50 |
| 12-01-01-01-51 | 12/01/01 | 2:10 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-51 |
| 12-01-01-01-52 | 12/01/01 | 2:15 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-52 |
| 12-01-01-01-53 | 12/01/01 | 2:20 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-53 |
| 12-01-01-01-54 | 12/01/01 | 2:25 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-54 |
| 12-01-01-01-55 | 12/01/01 | 2:30 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-55 |
| 12-01-01-01-56 | 12/01/01 | 2:35 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-56 |
| 12-01-01-01-57 | 12/01/01 | 2:40 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-57 |
| 12-01-01-01-58 | 12/01/01 | 2:45 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-58 |
| 12-01-01-01-59 | 12/01/01 | 2:50 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-59 |
| 12-01-01-01-60 | 12/01/01 | 2:55 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-60 |
| 12-01-01-01-61 | 12/01/01 | 3:00 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-61 |
| 12-01-01-01-62 | 12/01/01 | 3:05 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-62 |
| 12-01-01-01-63 | 12/01/01 | 3:10 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-63 |
| 12-01-01-01-64 | 12/01/01 | 3:15 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-64 |
| 12-01-01-01-65 | 12/01/01 | 3:20 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-65 |
| 12-01-01-01-66 | 12/01/01 | 3:25 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-66 |
| 12-01-01-01-67 | 12/01/01 | 3:30 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-67 |
| 12-01-01-01-68 | 12/01/01 | 3:35 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-68 |
| 12-01-01-01-69 | 12/01/01 | 3:40 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-69 |
| 12-01-01-01-70 | 12/01/01 | 3:45 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-70 |
| 12-01-01-01-71 | 12/01/01 | 3:50 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-71 |
| 12-01-01-01-72 | 12/01/01 | 3:55 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-72 |
| 12-01-01-01-73 | 12/01/01 | 4:00 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-73 |
| 12-01-01-01-74 | 12/01/01 | 4:05 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-74 |
| 12-01-01-01-75 | 12/01/01 | 4:10 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-75 |
| 12-01-01-01-76 | 12/01/01 | 4:15 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-76 |
| 12-01-01-01-77 | 12/01/01 | 4:20 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-77 |
| 12-01-01-01-78 | 12/01/01 | 4:25 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-78 |
| 12-01-01-01-79 | 12/01/01 | 4:30 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-79 |
| 12-01-01-01-80 | 12/01/01 | 4:35 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-80 |
| 12-01-01-01-81 | 12/01/01 | 4:40 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-81 |
| 12-01-01-01-82 | 12/01/01 | 4:45 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-82 |
| 12-01-01-01-83 | 12/01/01 | 4:50 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-83 |
| 12-01-01-01-84 | 12/01/01 | 4:55 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-84 |
| 12-01-01-01-85 | 12/01/01 | 5:00 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-85 |
| 12-01-01-01-86 | 12/01/01 | 5:05 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-86 |
| 12-01-01-01-87 | 12/01/01 | 5:10 | | | | | | 1 | | | | | | | | | | | 12-01-01-01-87 |
| 12-01-01-01-88 | 12/01/01 | | | | | | | | | | | | | | | | | | |



501 Madison Avenue
Cary, NC 27513
1-800-833-5097

No. 3915

| | | |
|---------------------------------|---|---|
| Project Name : SO 005 | Client Address : 14100 14th Ave N, Minneapolis, MN 55412 | Point-of-Contact : Terry Pfeiffer |
| Carrier : UPS | Number of Samples : 1 | Telephone No. : 754 512 5100 |
| Airbill No. : 23006 | | Sampling complete? Y or N (see Note 1) Y |
| Sampler Name : John F. Smith | Sampler Signature : [Signature] | Project-specific (PS) or Batch (B) QC ? PS |

| | | | | | | | | | | | | |
|---------------|-----------------------------|----------------|---------------|---|-----------------------------|---------------|---------------|---------------|-----------|---------------|-------------------|---------|
| BOX #1 | 1. Surface Water | 6. Trip Blank | BOX #2 | A. HCl + Ice | F. Ice Only | BOX #3 | F. Filtered | Box #4 | H. High | Box #5 | C. CLP 3/90 | T. TCLP |
| | 2. Ground Water | 7. Oil | | B. HNO ₃ + Ice | G. Other _____ | | U. Unfiltered | | M. Medium | | S. SW-846 | |
| | 3. Leachate | 8. Waste | | C. NaOH + Ice | H. NaHSO ₄ + Ice | | | | L. Low | | W. CWA 600-series | |
| | 4. Rinsate | 9. Other _____ | | D. H ₂ SO ₄ + Ice | I. ZnAc+NaOH + Ice | | | | | | O. Other _____ | |
| | 5. Soil / Sediment / Sludge | | | E. Unpreserved | | | | | | | | |

[illegible]**Clients Special Instructions:**

Temperature _____ °C

Lab: Received in Good Condition? Y or N Describe Problems, If any:

| | | | | | | | | | | | | | | | |
|--|--|-------|--|---------------------------|--|-------|--|---------------------------|--|-------|--|---------------------------|--|-------|--|
| Lab. Received in Good Condition: (Sig) | | Date: | | #1 Relinquished By: (Sig) | | Date: | | #2 Relinquished By: (Sig) | | Date: | | #3 Relinquished By: (Sig) | | Date: | |
| Company Name: | | Time: | | Company Name: | | Time: | | Company Name: | | Time: | | Company Name: | | Time: | |
| #1 Received By: (Sig) | | Date: | | #2 Received By: (Sig) | | Date: | | #3 Received By: (Sig) | | Date: | | #4 Received By: (Sig) | | Date: | |
| Company Name: | | Time: | | Company Name: | | Time: | | Company Name: | | Time: | | Company Name: | | Time: | |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 000003

| | | |
|---------------------------|---|---|
| Project Name : 80 DRS | Client Address : MAILLUM POND 701 Town Center Drive, 600 | Point-of-Contact : J. M. PACE |
| Carrier : | NEWPORT NEWS, VA | Telephone No. : 815-610-6000 |
| Airbill No. : | 1506 | Sampling complete? Y or N (see Note 1) |
| Sampler Name : G. J. PACE | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | |
|--|---|---|--|---|---|--|---------|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO4 + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|--|---|---|--|---|---|--|---------|

[illegible]

Temperature _____ °C

Clients Special Instructions:

| Lab: Received in Good Condition? Y or N | | Describe Problems, If any: | | | |
|---|-------|----------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (3): All lab copies of data destroyed after three years.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 192 225

| | | |
|-----------------------------|---|---|
| Project Name : BOLAB | Client Address : 712 Main Street, San Jose | Point-of-Contact : Jenny Pao |
| Carrier : MURRAY | Telephone No. : 951 833 5700 | Sampling complete? Y or N (see Note 1) |
| Airbill No. : 11606 | | |
| Sampler Name : Jenny Pao | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | | | | | | |
|---------------|---|---|---------------|---|--|---------------|------------------------------|---------------|--------------------------------|---------------|---|----------------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 | A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | Box #4 | H. High M. Medium L. Low | Box #5 | C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|---------------|---|---|---------------|---|--|---------------|------------------------------|---------------|--------------------------------|---------------|---|----------------|

[illegible]**Clients Special Instructions:**

Temperature _____ °C

Lab: Received in Good Condition? Y or N Describe Problems, if any:

| | | | | | |
|---------------------------|-------|---------------------------|-------|---------------------------|-------|
| Lab: Received in: _____ | | Lab: Received in: _____ | | Lab: Received in: _____ | |
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



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501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF- STUDY RECORD

No. 060987

| | | |
|-----------------------------------|--|---|
| Project Name : SO DRS | Client Address : 101 TOWN CENTER DR. #600 NEWPORT NEWS, VA | Point-of-Contact : TERRY PACE |
| Carrier : | NEWPORT NEWS, VA | Telephone No. : 757 873 8140 |
| Airbill No. : | 22606 | Sampling complete? Y or N (see Note 1) |
| Sampler Name : Carolyn T. Pochins | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | |
|---|--|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP |
|---|--|---|---|---|

| Sample ID (9 characters maximum) | | | | | | | | | | Date/Year: | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | Remarks / Comments (see Notes 2 & 3) | | | | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|--|--|------------|------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|---|--|--|--|--|--|--|--|--|--|
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Clients Special Instructions: _____ Temperature _____ °C

| | | | |
|---|-------|----------------------------|-------|
| Lab: Received in Good Condition? Y or N | | Describe Problems, If any: | |
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
 Note (2): Samples stored 60 days after date report mailed at no extra charge.
 Note (3): All lab copies of data destroyed after three years.



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501 Madison Avenue
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CHAIN-OF

STUDY RECORD

No.

8817

| | | |
|------------------------------|------------------------------------|---|
| Project Name : 80 DRG | Client Address : Malcolm Pirnie | Point-of-Contact : Tony Pace |
| Carrier : | 701 Town Center Drive, #600 | Telephone No. 757-873-8700 |
| Airbill No. : | Newport News, VA 23606 | Sampling complete? Y or N (see Note 1) |
| Sampler Name : Gerlyn Perlas | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | |
|--|---|--|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP |
|--|---|--|---|---|---|

| Sample ID (9 characters maximum) | | | | | | | | | Date/Year | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|--|--|--|--|--|--|--|--|-----------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|---|
| 04-14-10-10-10-10-10-10-10 | | | | | | | | | 10/14/10 | 10:10 | 2 | FW | FW | | 5 | | | | | | | | | | | 22 | |
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Clients Special Instructions:

Temperature _____ °C

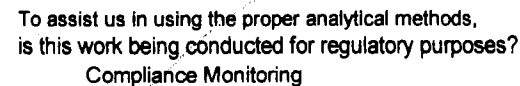
Lab: Received in Good Condition? Y or N Describe Problems, If any:

| | | | | | |
|---------------------------|-------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

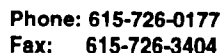
Note (3): All lab copies of data destroyed after three years.



Quote #: PO#:

[illegible]

Method of Shipment:



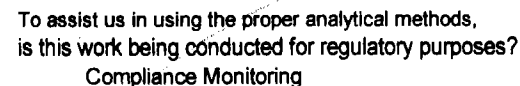
To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

Sampler Signature: _____

Quote #: PO#:

[illegible]

[illegible]



Quote #: PO#:

[illegible]



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501 Madison Avenue
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CHAIN-OF-STUDY RECORD

No. 5822

| | | |
|-------------------------------------|---|---|
| Project Name : 60 DRS - 100 S2R4 | Client Address : 701 DOWNING ST NORFOLK, VA 23606 | Point-of-Contact : IDN Y POC |
| Carrier : | | Telephone No. : (703) 895 8700 |
| Airbill No. : | | Sampling complete? Y or N (see Note 1) |
| Sampler Name : D. P. L. L. | Sampler Signature : [Signature] | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | |
|--|---|---|--|---|---|--|---------|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO4 + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|--|---|---|--|---|---|--|---------|

| Sample ID (9 characters maximum) | | | | | | | | | | Date/Year: <u>200</u> | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOC <u>40-110</u> | SVOC <u>40-110</u> | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | LOK | PAHs | DDTs | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|---|---|---|---|---|---|---|--|--|-----------------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-------------------|--------------------|-----------|-----|-----------|------------------|---------|-----------|-----------|-----|------|------|---|
| 1 | D | N | - | M | N | 0 | 7 | | | 1/29 | 6:00 | 5 | F | U | | | 7 | | 1 | 2 | | | | | | | | | | | |
| 1 | D | N | - | M | N | 0 | 8 | | | 1/29 | 15:45 | 5 | F | U | | | 7 | | 1 | 2 | | | | | | | | | | | |
| 1 | D | N | - | M | N | 0 | 9 | | | 1/29 | 12:15 | 5 | F | U | | | 7 | | 1 | 2 | | | | | | | | | | | |
| 1 | D | N | - | M | N | 1 | 0 | | | 1/29 | 6:20 | 5 | F | U | | | 7 | | 1 | 2 | | | | | | | | | | | |
| 1 | D | N | - | M | N | 1 | 1 | | | 1/29 | 6:45 | 5 | F | U | | | 7 | | 1 | 2 | | | | | | | | | | | |
| 1 | D | N | - | P | U | | | | | / | : | | | | | | | | | | | | | | | | | | | | |
| 1 | D | N | - | P | U | | | | | / | : | | | | | | | | | | | | | | | | | | | | |
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Temperature _____ °C

Clients Special Instructions:

Lab: Received in Good Condition? Y or N Describe Problems, If any:

| | | | | | |
|---------------------------------------|---------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) [Signature] | Date: 1/29/00 | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: M. C. L. L. | Time: 1:40 | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
 Note (2): Samples stored 60 days after date report mailed at no extra charge.
 Note (3): All lab copies of data destroyed after three years.



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1-800-833-5097

CHAIN-OF-

STUDY RECORD

No.

5310

| | | |
|---------------------------------|------------------------------------|---|
| Project Name : 80 DRS | Client Address : Malcolm Pirnie | Point-of-Contact : Tony Pace |
| Carrier : LARS | 701 Town Center Drive, #600 | Telephone No. : 1-813-871-0000 |
| Airbill No. : | Newport News, VA 23606 | Sampling complete? Y or N (see Note 1) Y |
| Sampler Name : Carlyn Parlas | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? PS |

| | | | | |
|---|---|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. NaHSO4 + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP |
|---|---|---|---|---|

| Sample ID (9 characters maximum) | | | | | | | | | | Date: Year | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | TPH bag | TPH bag | TPH bag | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|---|---|---|---|---|--|--|--|--|------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|---------|---------|---------|---|
| 6 | M | W | 0 | 5 | S | | | | | 12/10 | 11:00 | 5 | F | U | | 0 | 4 | | ✓ | | | | | | | | | ✓ | ✓ | ✓ | |
| | | | | | | | | | | / | : | | | | | | | | ✓ | | | | | | | | | | | | |
| 6 | M | W | 0 | 9 | | | | | | 12/10 | 11:00 | 5 | F | U | | 0 | 4 | | X | | | | | | | | | X | X | X | |
| | | | | | | | | | | 1/12 | : | | | | | | | | | | | | | | | | | | | | |
| 6 | M | W | 0 | 6 | | | | | | 12/10 | 11:00 | 5 | F | U | | 0 | 4 | | X | | | | | | | | | X | X | X | |
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Clients Special Instructions:

Temperature _____ °C

Lab: Received in Good Condition? Y or N Describe Problems, if any:

| | | | | | |
|--|----------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) [Signature] | Date: 12/11/12 | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: Malcolm Pirnie | Time: 11:00 | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



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501 Madison Avenue

Cary, NC 27513

1-800-833-5097

CHAIN-OF-STUDY RECORD

No. 88877

| | | |
|--|--|--|
| Project Name: <u>LARC 60</u> | Client Address: <u>701 DOWN CENTER DR. STE 600</u> | Point-of-Contact: <u>AMY PAGE</u> |
| Carrier: <u>NEWPORT NEWS, VA 23606</u> | | Telephone No.: <u>(757) 873 8100</u> |
| Airbill No.: | | Sampling complete? <u>Y</u> or <u>N</u> (see Note 1) |
| Sampler Name: <u>BERNARD PORTIS</u> | Sampler Signature: | Project-specific (PS) or Batch (B) QC? |

| | | | | | |
|--|---|---|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. NaHSO4 + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP |
|--|---|---|---|---|---|

| Sample ID (9 characters maximum) | Date/Year | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|-----------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|---|
| 100000000 | 1/10/00 | 10:00 | 2 | 12 | 10 | | 1 | 11 | | 2 | 2 | 2 | | | | | | | 100000000 |
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| | / | : | | | | | | | | | | | | | | | | | |

Clients Special Instructions:

Temperature _____ °C

Lab: Received in Good Condition? Y or N Describe Problems, If any:

| | | | | | |
|---|----------------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <u>AMY PAGE</u> | Date: <u>1/10/00</u> | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <u>NEWPORT NEWS</u> | Time: <u>10:00</u> | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.



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501 Madison Avenue
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1-800-833-5097

CHAIN-OF- STUDY RECORD

No. 3317

| | | |
|-----------------------------|--|---|
| Project Name : LACC 66 | Client Address : 10000 N. HAYES ST. #200 DALLAS, TEXAS 75243 | Point-of-Contact : DAN PALM |
| Carrier : | | Telephone No. : (972) 410-4100 |
| Airbill No. : | | Sampling complete? Y or N (see Note 1) |
| Sampler Name : J. J. HARRIS | Sampler Signature : J. J. Harris | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | | | | | | |
|---------------|---|---|---------------|---|--|---------------|------------------------------|---------------|--------------------------------|---------------|---|---------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 | A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | Box #4 | H. High M. Medium L. Low | Box #5 | C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|---------------|---|---|---------------|---|--|---------------|------------------------------|---------------|--------------------------------|---------------|---|---------|

| Sample ID (9 characters maximum) | | | | | | | | | | Date/Year: | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | | | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|--|--|--|--|--|--|--|--|---------|------------|------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|--|--|---|
| AW-6MN-1 | | | | | | | | | 1/10/92 | 10:20 | 2 | AC | U | | S | 5 | | 2 | | | | | | | | | | | | |
| AW-6MN-7D | | | | | | | | | 1/10/92 | 10:30 | 2 | AC | U | | S | 5 | | 2 | | | | | | | | | | | | |
| AW-6MN-2 | | | | | | | | | 1/10/92 | 10:30 | 2 | AC | U | | C | 5 | | 2 | | | | | | | | | | | | |
| AW-6MN-1 | | | | | | | | | 1/10/92 | 10:30 | 2 | AC | U | | S | 5 | | 2 | | | | | | | | | | | | |
| AW-6MN-11 | | | | | | | | | 1/10/92 | 10:40 | 2 | AC | U | | C | 10 | | 6 | | | | | | | | | | | | |
| 10011 BLANK | | | | | | | | | / | : | | | | | | | | | | | | | | | | | | | | |
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Clients Special Instructions:

Temperature _____ °C

Lab: Received in Good Condition? Y or N Describe Problems, If any:

| | | | | | |
|--|---------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) J. J. Harris | Date: 1/10/92 | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: MALLINCO | Time: 500 | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-ISTODY RECORD

No. 63

| | | |
|-------------------------------|---|---|
| Project Name : LARGO | Client Address : 701 DOWN CENTER DR. STE 600 NEWPORT NEWS, VA 23606 | Point-of-Contact : DAN MACE |
| Carrier : | | Telephone No. : (757) 873 8700 |
| Airbill No. : | | Sampling complete? Y or N (see Note 1) |
| Sampler Name : GUYTON PERKINS | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | |
|--|---|---|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. NaHSO4 + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP |
|--|---|---|---|---|---|

| Sample ID (9 characters maximum) | | | | | | | | | | Date/Year: <u>2000</u> | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Clients Special Instructions: _____ Temperature _____ °C

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| Lab: Received in Good Condition? Y or N | | Describe Problems, If any: | |
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| Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
 Note (2): Samples stored 60 days after date report mailed at no extra charge.
 Note (3): All lab copies of data destroyed after three years.



COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue

Cary, NC 27513

1-800-833-5097

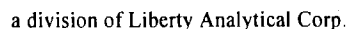
CHAIN-OF-STUDY RECORD

No. 88501

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| Project Name : LARC 60 | Client Address : 701 TOWN CENTER DR. SU 600 NEWPORT NEWS, VA 23606 | Point-of-Contact : TOM PALE |
| Carrier : | | Telephone No. : (703) 875-8100 |
| Airbill No. : | | Sampling complete? Y or N (see Note 1) |
| Sampler Name : GUYARD WKLAC | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

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| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 | A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | Box #4 | H. High M. Medium L. Low | Box #5 | C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|---------------|---|---|---------------|---|--|---------------|------------------------------|---------------|--------------------------------|---------------|---|---------|

| Sample ID (9 characters maximum) | Date: Year: <u>2002</u> | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | THM / THM2 | THM3 | THM4 | THM5 | THM6 | THM7 | THM8 | THM9 | THM10 | THM11 | THM12 | THM13 | THM14 | THM15 | THM16 | THM17 | THM18 | THM19 | THM20 | THM21 | THM22 | THM23 | THM24 | THM25 | THM26 | THM27 | THM28 | THM29 | THM30 | THM31 | THM32 | THM33 | THM34 | THM35 | THM36 | THM37 | THM38 | THM39 | THM40 | THM41 | THM42 | THM43 | THM44 | THM45 | THM46 | THM47 | THM48 | THM49 | THM50 | THM51 | THM52 | THM53 | THM54 | THM55 | THM56 | THM57 | THM58 | THM59 | THM60 | THM61 | THM62 | THM63 | THM64 | THM65 | THM66 | THM67 | THM68 | THM69 | THM70 | THM71 | THM72 | THM73 | THM74 | THM75 | THM76 | THM77 | THM78 | THM79 | THM80 | THM81 | THM82 | THM83 | THM84 | THM85 | THM86 | THM87 | THM88 | THM89 | THM90 | THM91 | THM92 | THM93 | THM94 | THM95 | THM96 | THM97 | THM98 | THM99 | THM100 | THM101 | THM102 | THM103 | THM104 | THM105 | THM106 | THM107 | THM108 | THM109 | THM110 | THM111 | THM112 | THM113 | THM114 | THM115 | THM116 | THM117 | THM118 | THM119 | THM120 | THM121 | THM122 | THM123 | THM124 | THM125 | THM126 | THM127 | THM128 | THM129 | THM130 | THM131 | THM132 | THM133 | THM134 | THM135 | THM136 | THM137 | THM138 | THM139 | THM140 | THM141 | THM142 | THM143 | THM144 | THM145 | THM146 | THM147 | THM148 | THM149 | THM150 | THM151 | THM152 | THM153 | THM154 | THM155 | THM156 | THM157 | THM158 | THM159 | THM160 | THM161 | THM162 | THM163 | THM164 | THM165 | THM166 | THM167 | THM168 | THM169 | THM170 | THM171 | THM172 | THM173 | THM174 | THM175 | THM176 | THM177 | THM178 | THM179 | THM180 | THM181 | THM182 | THM183 | THM184 | THM185 | THM186 | THM187 | THM188 | THM189 | THM190 | THM191 | THM192 | THM193 | THM194 | THM195 | THM196 | THM197 | THM198 | THM199 | THM200 | THM201 | THM202 | THM203 | THM204 | THM205 | THM206 | THM207 | THM208 | THM209 | THM210 | THM211 | THM212 | THM213 | THM214 | THM215 | THM216 | THM217 | THM218 | THM219 | THM220 | THM221 | THM222 | THM223 | THM224 | THM225 | THM226 | THM227 | THM228 | THM229 | THM230 | THM231 | THM232 | THM233 | THM234 | THM235 | THM236 | THM237 | THM238 | THM239 | THM240 | THM241 | THM242 | THM243 | THM244 | THM245 | THM246 | THM247 | THM248 | THM249 | THM250 | THM251 | THM252 | THM253 | THM254 | THM255 | THM256 | THM257 | THM258 | THM259 | THM260 | THM261 | THM262 | THM263 | THM264 | THM265 | THM266 | THM267 | THM268 | THM269 | THM270 | THM271 | THM272 | THM273 | THM274 | THM275 | THM276 | THM277 | THM278 | THM279 | THM280 | THM281 | THM282 | THM283 | THM284 | THM285 | THM286 | THM287 | THM288 | THM289 | THM290 | THM291 | THM292 | THM293 | THM294 | THM295 | THM296 | THM297 | THM298 | THM299 | THM300 | THM301 | THM302 | THM303 | THM304 | THM305 | THM306 | THM307 | THM308 | THM309 | THM310 | THM311 | THM312 | THM313 | THM314 | THM315 | THM316 | THM317 | THM318 | THM319 | THM320 | THM321 | THM322 | THM323 | THM324 | THM325 | THM326 | THM327 | THM328 | THM329 | THM330 | THM331 | THM332 | THM333 | THM334 | THM335 | THM336 | THM337 | THM338 | THM339 | THM340 | THM341 | THM342 | THM343 | THM344 | THM345 | THM346 | THM347 | THM348 | THM349 | THM350 | THM351 | THM352 | THM353 | THM354 | THM355 | THM356 | THM357 | THM358 | THM359 | THM360 | THM361 | THM362 | THM363 | THM364 | THM365 | THM366 | THM367 | THM368 | THM369 | THM370 | THM371 | THM372 | THM373 | THM374 | THM375 | THM376 | THM377 | THM378 | THM379 | THM380 | THM381 | THM382 | THM383 | THM384 | THM385 | THM386 | THM387 | THM388 | THM389 | THM390 | THM391 | THM392 | THM393 | THM394 | THM395 | THM396 | THM397 | THM398 | THM399 | THM400 | THM401 | THM402 | THM403 | THM404 | THM405 | THM406 | THM407 | THM408 | THM409 | THM410 | THM411 | THM412 | THM413 | THM414 | THM415 | THM416 | THM417 | THM418 | THM419 | THM420 | THM421 | THM422 | THM423 | THM424 | THM425 | THM426 | THM427 | THM428 | THM429 | THM430 | THM431 | THM432 | THM433 | THM434 | THM435 | THM436 | THM437 | THM438 | THM439 | THM440 | THM441 | THM442 | THM443 | THM444 | THM445 | THM446 | THM447 | THM448 | THM449 | THM450 | THM451 | THM452 | THM453 | THM454 | THM455 | THM456 | THM457 | THM458 | THM459 | THM460 | THM461 | THM462 | THM463 | THM464 | THM465 | THM466 | THM467 | THM468 | THM469 | THM470 | THM471 | THM472 | THM473 | THM474 | THM475 | THM476 | THM477 | THM478 | THM479 | THM480 | THM481 | THM482 | THM483 | THM484 | THM485 | THM486 | THM487 | THM488 | THM489 | THM490 | THM491 | THM492 | THM493 | THM494 | THM495 | THM496 | THM497 | THM498 | THM499 | THM500 | THM501 | THM502 | THM503 | THM504 | THM505 | THM506 | THM507 | THM508 | THM509 | THM510 | THM511 | THM512 | THM513 | THM514 | THM515 | THM516 | THM517 | THM518 | THM519 | THM520 | THM521 | THM522 | THM523 | THM524 | THM525 | THM526 | THM527 | THM528 | THM529 | THM530 | THM531 | THM532 | THM533 | THM534 | THM535 | THM536 | THM537 | THM538 | THM539 | THM540 | THM541 | THM542 | THM543 | THM544 | THM545 | THM546 | THM547 | THM548 | THM549 | THM550 | THM551 | THM552 | THM553 | THM554 | THM555 | THM556 | THM557 | THM558 | THM559 | THM560 | THM561 | THM562 | THM563 | THM564 | THM565 | THM566 | THM567 | THM568 | THM569 | THM570 | THM571 | THM572 | THM573 | THM574 | THM575 | THM576 | THM577 | THM578 | THM579 | THM580 | THM581 | THM582 | THM583 | THM584 | THM585 | THM586 | THM587 | THM588 | THM589 | THM590 | THM591 | THM592 | THM593 | THM594 | THM595 | THM596 | THM597 | THM598 | THM599 | THM600 | THM601 | THM602 | THM603 | THM604 | THM605 | THM606 | THM607 | THM608 | THM609 | THM610 | THM611 | THM612 | THM613 | THM614 | THM615 | THM616 | THM617 | THM618 | THM619 | THM620 | THM621 | THM622 | THM623 | THM624 | THM625 | THM626 | THM627 | THM628 | THM629 | THM630 | THM631 | THM632 | THM633 | THM634 | THM635 | THM636 | THM637 | THM638 | THM639 | THM640 | THM641 | THM642 | THM643 | THM644 | THM645 | THM646 | THM647 | THM648 | THM649 | THM650 | THM651 | THM652 | THM653 | THM654 | THM655 | THM656 | THM657 | THM658 | THM659 | THM660 | THM661 | THM662 | THM663 | THM664 | THM665 | THM666 | THM667 | THM668 | THM669 | THM670 | THM671 | THM672 | THM673 | THM674 | THM675 | THM676 | THM677 | THM678 | THM679 | THM680 | THM681 | THM682 | THM683 | THM684 | THM685 | THM686 | THM687 | THM688 | THM689 | THM690 | THM691 | THM692 | THM693 | THM694 | THM695 | THM696 | THM697 | THM698 | THM699 | THM700 | THM701 | THM702 | THM703 | THM704 | THM705 | THM706 | THM707 | THM708 | THM709 | THM710 | THM711 | THM712 | THM713 | THM714 | THM715 | THM716 | THM717 | THM718 | THM719 | THM720 | THM721 | THM722 | THM723 | THM724 | THM725 | THM726 | THM727 | THM728 | THM729 | THM730 | THM731 | THM732 | THM733 | THM734 | THM735 | THM736 | THM737 | THM738 | THM739 | THM740 | THM741 | THM742 | THM743 | THM744 | THM745 | THM746 | THM747 | THM748 | THM749 | THM750 | THM751 | THM752 | THM753 | THM754 | THM755 | THM756 | THM757 | THM758 | THM759 | THM760 | THM761 | THM762 | THM763 | THM764 | THM765 | THM766 | THM767 | THM768 | THM769 | THM770 | THM771 | THM772 | THM773 | THM774 | THM775 | THM776 | THM777 | THM778 | THM779 | THM780 | THM781 | THM782 | THM783 | THM784 | THM785 | THM786 | THM787 | THM788 | THM789 | THM790 | THM791 | THM792 | THM793 | THM794 | THM795 | THM796 | THM797 | THM798 | THM799 | THM800 | THM801 | THM802 | THM803 | THM804 | THM805 | THM806 | THM807 | THM808 | THM809 | THM810 | THM811 | THM812 | THM813 | THM814 | THM815 | THM816 | THM817 | THM818 | THM819 | THM820 | THM821 | THM822 | THM823 | THM824 | THM825 | THM826 | THM827 | THM828 | THM829 | THM830 | THM831 | THM832 | THM833 | THM834 | THM835 | THM836 | THM837 | THM838 | THM839 | THM840 | THM841 | THM842 | THM843 | THM844 | THM845 | THM846 | THM847 | THM848 | THM849 | THM850 | THM851 | THM852 | THM853 | THM854 | THM855 | THM856 | THM857 | THM858 | THM859 | THM860 | THM861 | THM862 | THM863 | THM864 | THM865 | THM866 | THM867 | THM868 | THM869 | THM870 | THM871 | THM872 | THM873 | THM874 | THM875 | THM876 | THM877 | THM878 | THM879 | THM880 | THM881 | THM882 | THM883 | THM884 | THM885 | THM886 | THM887 | THM888 | THM889 | THM890 | THM891 | THM892 | THM893 | THM894 | THM895 | THM896 | THM897 | THM898 | THM899 | THM900 | THM901 | THM902 | THM903 | THM904 | THM905 | THM906 | THM907 | THM908 | THM909 | THM910 | THM911 | THM912 | THM913 | THM914 | THM915 | THM916 | THM917 | THM918 | THM919 | THM920 | THM921 | THM922 | THM923 | THM924 | THM925 | THM926 | THM927 | THM928 | THM929 | THM930 | THM931 | THM932 | THM933 | THM934 | THM935 | THM936 | THM937 | THM938 | THM939 | THM940 | THM941 | THM942 | THM943 | THM944 | THM945 | THM946 | THM947 | THM948 | THM949 | THM950 | THM951 | THM952 | THM953 | THM954 | THM955 | THM956 | THM957 | THM958 | THM959 | THM960 | THM961 | THM962 | THM963 | THM964 | THM965 | THM966 | THM967 | THM968 | THM969 | THM970 | THM971 | THM972 | THM973 | THM974 | THM975 | THM976 | THM977 | THM978 | THM979 | THM980 | THM981 | THM982 | THM983 | THM984 | THM985 | THM986 | THM987 | THM988 | THM989 | THM990 | THM991 | THM992 | THM993 | THM994 | THM995 | THM996 | THM997 | THM998 | THM999 | THM1000 | THM1001 | THM1002 | THM1003 | THM1004 | THM1005 | THM1006 | THM1007 | THM1008 | THM1009 | THM1010 | THM1011 | THM1012 | THM1013 | THM1014 | THM1015 | THM1016 | THM1017 | THM1018 | THM1019 | THM1020 | THM1021 | THM1022 | THM1023 | THM1024 | THM1025 | THM1026 | THM1027 | THM1028 | THM1029 | THM1030 | THM1031 | THM1032 | THM1033 | THM1034 | THM1035 | THM1036 | THM1037 | THM1038 | THM1039 | THM1040 | THM1041 | THM1042 | THM1043 | THM1044 | THM1045 | THM1046 | THM1047 | THM1048 | THM1049 | THM1050 | THM1051 | THM1052 | THM1053 | THM1054 | THM1055 | THM1056 | THM1057 | THM1058 | THM1059 | THM1060 | THM1061 | THM1062 | THM1063 | THM1064 | THM1065 | THM1066 | THM1067 | THM1068 | THM1069 | THM1070 | THM1071 | THM1072 | THM1073 | THM1074 | THM1075 | THM1076 | THM1077 | THM1078 | THM1079 | THM1080 | THM1081 | THM1082 | THM1083 | THM1084 | THM1085 | THM1086 | THM1087 | THM1088 | THM1089 | THM1090 | THM1091 | THM1092 | THM1093 | THM1094 | THM1095 | THM1096 | THM1097 | THM1098 | THM1099 | THM1100 | THM1101 | THM1102 | THM1103 | THM1104 | THM1105 | THM1106 | THM1107 | THM1108 | THM1109 | THM1110 | THM1111 | THM1112 | THM1113 | THM1114 | THM1115 | THM1116 | THM1117 | THM1118 | THM1119 | THM1 |
|-------------------------------------|-------------------------|------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|------------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------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501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-STUDY RECORD

No. 242

| | | |
|------------------------------------|---|--|
| Project Name : LARG 60 | Client Address : 701 DENT CENTER DR. STE 600 | Point-of-Contact : RAY LARUE |
| Carrier : NEWPORT NEWS VA 23606 | | Telephone No. : (757) 875-8100 |
| Airbill No. : | | Sampling complete? Y or N : (see Note 1) |
| Sampler Name : GUYTON PERLOS | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | |
|--|---|--|--|---|---|--|---------|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|--|---|--|--|---|---|--|---------|

[illegible]**Clients Special Instructions:**

Temperature _____ °C

Lab: Received in Good Condition? Y or N

Describe Problems, If any:

| | | | | | |
|---------------------------|-------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



Courier

Airbill No.

Sampling Complete? Y or N

[illegible][illegible]

| | | |
|--|---|--|
| Sample Unpacked By: | Cyanide samples checked for sulfide & chlorine? Y or NA | |
| Sample Order Entry By: | 625 & Phenol samples checked for chlorine? Y or NA | |
| Samples Received in Good Condition? Y or N | 608 samples checked for pH between 5.0-9.0? Y or NA | |
| If no, explain: | | |

| | | | |
|--|--------------------------------|----------------|-----------------|
| Relinquished by:  | Date/Time: 6/14/04 17:30 | Received by: | Date/Time: |
| Relinquished by:  | Date/Time: | Received by: | Date/Time: |
| Subcontact? Y or N If yes, where? | Custody Seal(s) intact? Y or N | On Ice? Y or N | Cooler Temp: °C |

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

Courier Fed Ex

Airbill No.

Sampling Complete? Y or N

[illegible]

Courier

Airbill No.

Sampling Complete? Y or N

[illegible]

Sample Unpacked By:

Cyanide samples checked for sulfide & chlorine? Y or NA

Sample Order Entry By:

625 & Phenol samples checked for chlorine? Y or NA

| Samples Received in Good Condition? Y or N | |
|--|--|
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608 samples checked for pH between 5.0-9.0? Y or NA

If no, explain:

Relinquished by:

Date/Time: 18:45

Received by:

Date/Time:

Relinquished by:

Date/Time:

Received by:

Date/Time:

Subcontract? Y or N If yes, where?

Custody Seal(s) intact? Y or N

On Ice? Y or N

Cooler Temp: °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

Appendix C
URS Data Validation Reports

QCS/AR Report
80th Division Reserve Site
Fort Story, Virginia



To: Anthony Pace
Associate - Malcolm Pirnie, Inc.

From: Peter R. Fairbanks *PF* Mary E. Bitka *MFB*
Sr. Chemist - URS Project Manager - URS

Date: April 10, 2003

Subject: Organic/Inorganic Data Validation Report for 80th Division Reserve Site –
Fort Story, Virginia
December 3, 2002 – January 20, 2003 Sampling Event - Sample Delivery Group
Nos. Q2812, R2812, S2812, T2812, U2812, Q2849, and R2849

Data Validation Narrative

Thirty-three soil samples, twenty-three groundwater samples, four field duplicates, four matrix spike/matrix spike duplicate (MS/MSD) pairs, four equipment rinsate blanks, and seven trip blanks were collected on December 3, 2002 to January 20, 2003 at the 80th Division Reserve Site - Fort Story, Virginia. The samples were analyzed by CompuChem of Cary, North Carolina. The data were validated to United States Environmental Protection Agency (USEPA) Region III Levels M-2 and IM-1.

The data packages were reviewed following USEPA guidelines presented in *Region III Modifications to National Functional Guidelines for Organic Data Review*, September 1994; *Region III Modifications to Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses*, April 1993; and *Region III Innovative Approaches to Data Validation*, June 1995.

The text of this report only addresses those problems that affect data usability. The following appendices are included with this Data Validation Report:

Appendices

Appendix A – Sample and Analysis Summary
Appendix B – Glossary of Data Qualifiers
Appendix C – Laboratory Results (Form Is)
Appendix D – Support Documentation

Overview

Thirty-three soil samples, twenty-three groundwater samples, four field duplicates, four MS/MSD pairs, four equipment rinsate blanks, and seven trip blanks were collected on December 3, 2002 to January 20, 2003 at the 80th Division Reserve Site - Fort Story, Virginia. The samples were analyzed by CompuChem of Cary, North Carolina. The samples were analyzed for the following parameters (not all samples were analyzed for each parameter):

| <u>Parameter</u> | <u>Method No.</u> |
|--|--------------------------|
| Target Compound List (TCL) Volatile Organic Compounds (VOCs) | 8260B |
| TCL Semivolatile Organic Compounds (SVOCs) | 8270C |
| TCL Pesticides | 8081A |
| TCL Polychlorinated Biphenyls (PCBs) | 8082 |
| Target Analyte List (TAL) Metals (Total and Dissolved) | 6010B/7470A/7471A |
| Arsenic and Iron (Total and Dissolved) | 6010B |

A sample and analysis summary is presented in Appendix A. The analytical results were reported in laboratory Sample Delivery Group (SDG) Nos. Q2812, R2812, S2812, T2812, U2812, Q2849, and R2849. The data packages were consistent with USEPA Contract Laboratory Program (CLP) requirements.

The data were validated to USEPA Region III Levels M-2 and IM-1. A glossary of data qualifiers is presented in Appendix C. The USEPA Region III hierarchy of qualifiers is as follows: "R", "B", "N", "L", "K", and "J".

All sample concentrations of target compounds/analytes were below the 10-day "Health Advisory Limits" listed in the USEPA Region III *Innovative Approaches to Data Validation*, June 1995.

Summary

The samples were successfully analyzed, with exceptions noted in subsequent sections of this report. Data that were determined to be unusable are discussed in the "Major Problems" and "Notes" section of this report. Copies of the validated laboratory results (Form IS) are presented in Appendix C. Supporting documentation is presented in Appendix D.

Major Problems

Major problems are those considered to have a serious effect on the usability of the data. The following data have been rejected ("R") due to severe quality control (QC) exceedances from the referenced methods.

- The VOC continuing calibrations (CCAL) associated with the groundwater samples (plus field QC blanks) exhibited a low (i.e., <0.05) relative response factor (RRF) for acetone. The non-detect acetone results for all groundwater samples (except GW-MW-117) and field QC blanks were rejected ("R"), while the detected acetone result for sample GW-MW-117 was qualified as biased low ("L"). Supporting documentation (i.e., Table D-1, laboratory Form 5 and 7) is presented in Appendix D.

- The SVOC CCALs associated with the several soil and groundwater samples exhibited a low (i.e., <0.05) RRF for atrazine. The non-detect atrazine results for all affected soil, groundwater, and equipment rinsate blank samples were rejected ("R"). Supporting documentation (i.e., Table D-2, laboratory Form 5 and 7) is presented in Appendix D.

Minor Problems

Minor problems are those that reflect biases identified during the data review, which may result in the qualification of sample results as estimated ("J/UJ"), biased low ("L/UL"), or biased high ("K").

- For soil sample SS-MW10-1, the laboratory performed the VOC analysis from a sample aliquot taken from a 4-oz. sample jar, rather than from the Encore®, because the laboratory was unable to preserve the Encore® sample within 48 hours of collection. As a result the VOC results were qualified as estimated ("J" and "UJ").
- The VOC analysis of soil sample SS-MW10-0 exhibited an elevated surrogate recovery for bromofluorobenzene (i.e., >131%) and a low internal standard (IS) recovery (i.e., <50%) for 1,4-dichlorobenzene-d4. The sample was not reanalyzed because the associated matrix spike duplicate (i.e., SS-MW10-0-MSD) exhibited an elevated surrogate recovery, therefore indicating matrix interference. The results were qualified as estimated ("J" and "UJ"). Supporting documentation (i.e., laboratory Form 2 and 8) is presented in Appendix D.
- The VOC analysis of soil sample SS-MW11D-4 exhibited low IS recoveries (i.e., <50%) for chlorobenzene-d5 and 1,4-dichlorobenzene-d4. The sample was reanalyzed with similar IS results. The associated results were qualified as estimated ("J" and "UJ"). Supporting documentation (i.e., laboratory Form 8) is presented in Appendix D.
- The VOC analysis of the 12/03/02 Trip Blank was performed outside of the technical holding time criteria (i.e., >14 days from date of collection) by 5 days. The results (all non-detect) were qualified as biased low ("UL"). Supporting documentation (i.e., chain-of-custody and laboratory Form 5) is presented in Appendix D.
- For the SVOC analysis of soil sample SS-SB03-1, the benzo(b)fluoranthene and benzo(k)fluoranthene peaks are unresolved. Hence, the total peak area within the retention time window of both compounds was used to calculate the concentration of each compound. Therefore, the results were qualified as estimated ("J"). Supporting documentation (i.e., quantitation report and ion chromatogram) is presented in Appendix D.
- All SVOC tentatively identified compounds (TICs) were qualified as estimated ("J").
- The pesticide/PCB analysis of samples SS-MW10D-4, SS-MW08-0, and SS-MW11D-4 exhibited high surrogate recoveries (i.e., >144%) for decachlorobiphenyl (DCB) on both the primary and confirmation columns. The detected sample results were qualified as estimated ("J"). Supporting documentation (i.e., laboratory Form 2) is presented in Appendix D.
- The pesticide/PCB analysis of samples SS-SB01-1 and SS-SB03-1 exhibited high surrogate recoveries (i.e., >144%) for DCB and tetrachloro-m-xylene (TCMX) on the

primary column (i.e., CLPEST). All detected sample results reported from the primary column were qualified as biased high ("K"). Supporting documentation (i.e., laboratory Form 2 and 10) is presented in Appendix D.

- The %D between the dual-column analyses was elevated above the QC limit (i.e., >40%D) for the following samples. The results were qualified as estimated ("J"). Supporting documentation (i.e., laboratory Form 10) is presented in Appendix D.

| <u>Sample</u> | <u>Compounds Qualified</u> |
|-----------------------------------|--------------------------------|
| SS-MW09-0 | 4,4'-DDD, 4,4'-DDT |
| SS-MW09-4 | 4,4'-DDD |
| SS-MW08-0 | Endosulfan II, dieldrin |
| SS-MW08-1 | Aldrin |
| SS-MW08-4 | Dieldrin, endrin ketone |
| SS-MW10-4, SS-MW10D-4, SS-MW11D-4 | 4,4'-DDT |
| SS-MW11-0 | beta-BHC, 4,4'-DDE |
| SS-SB01-4 | Endrin aldehyde, endrin ketone |
| SS-SB02-4, SS-SB03-4, SS-SB04-0 | Endosulfan sulfate |
| SS-SB04-4 | Dieldrin |
| SS-SB05-1 | Heptachlor, endrin ketone |
| SS-MW10-1 | beta-BHC |

- The pesticide/PCB analysis of sample SS-MW08-0 exhibited a linear range of calibration exceedance for dieldrin. The sample was not reanalyzed at a secondary dilution. Therefore, the dieldrin result was qualified as estimated ("J"). Supporting documentation (i.e., laboratory Form 1) is presented in Appendix D.
- The pesticide/PCB analysis of sample SS-SB05-0 exhibited a linear range of calibration exceedance for aldrin. The sample was reanalyzed at a secondary dilution, however, aldrin was not detected in the reanalysis. Therefore, the aldrin result was qualified as estimated ("J"). Supporting documentation (i.e., laboratory Form 1) is presented in Appendix D.
- The pesticide/PCB analysis of sample SS-SB01-1 exhibited linear range of calibration exceedances for aldrin and beta-BHC. The sample was reanalyzed at a secondary dilution, however, these compounds were not detected in the reanalysis. No further qualification was necessary because the aldrin and beta-BHC results were previously qualified due to surrogate outliers, as noted above. In addition, endrin aldehyde was detected in the secondary dilution, but not in the initial analysis. As a result, the endrin aldehyde result from the secondary dilution was transcribed to the initial analysis Form 1 and qualified "D" (result determined from a secondary dilution). Supporting documentation (i.e., laboratory Form 1) is presented in Appendix D.
- The pesticide/PCB analysis of sample SS-SB03-0 exhibited a linear range of calibration exceedances for aldrin and endosulfan sulfate. The sample was reanalyzed at a secondary dilution, however, these compounds were not detected in the reanalysis. Therefore, the

aldrin and endosulfan sulfate results were qualified as estimated ("J"). Supporting documentation (i.e., laboratory Form 1) is presented in Appendix D.

- The pesticide/PCB analysis of sample SS-SB03-1 exhibited a linear range of calibration exceedance for aldrin. The sample was reanalyzed at a secondary dilution, however, aldrin was not detected in the reanalysis. No further qualification was necessary because the aldrin result was previously qualified due to surrogate outliers, as noted above. In addition, endrin aldehyde was detected in the secondary dilution, but not in the initial analysis. As a result, the endrin aldehyde result from the secondary dilution was transcribed to the initial analysis Form 1 and qualified "D" (result determined from a secondary dilution). Supporting documentation (i.e., laboratory Form 1) is presented in Appendix D.
- The metals contract required detection limit (CRDL) standard associated with SDG No. Q2812 exhibited low recoveries (i.e., <90%) for copper (Cu), selenium (Se), and sodium (Na), and high recoveries (i.e., >110%) for aluminum (Al), cadmium (Cd), and potassium (K). The Cu, Se, and Na results for samples with concentrations less than two times the CRDL [i.e., 1 mg/kg (Cu and Se) and 400 mg/kg (Na)] were qualified as biased low ("L" or "UL"). No qualification was necessary for Al, Cd, and K because the results were either greater than two times the CRDL (i.e., Al and K), non-detect (i.e., Cd), or qualified "B" due to QC blank contamination (i.e., K). Supporting documentation (i.e., laboratory Form 2B) is presented in Appendix D.
- The metals CRDL standard associated with equipment rinsate samples ER-SS-120402 and ER-SS-121002 exhibited a low recovery (i.e., <90%) Na. The non-detect Na results were qualified as biased low ("UL") because the concentrations were less than two times the CRDL (i.e., 4000 µg/L). Supporting documentation (i.e., laboratory Form 2B) is presented in Appendix D.
- The metals CRDL standards associated with soil samples SS-MW10-1, SS-SB03-0, SS-SB03-1, SS-SB03-4, SS-SB02-0, SS-SB02-1, and SS-SB02-4 exhibited low recoveries (i.e., <90%) for arsenic (As), copper (Cu), and Na, and high recoveries (i.e., >110%) for Cd, nickel (Ni), K, and Se. The As, Cu, and Na results for samples with concentrations less than two times the CRDL [i.e., 2 mg/kg (As), 1 mg/kg (Cu) and 400 mg/kg (Na)] were qualified as biased low ("L" or "UL"). The Ni, K, and Se results for samples with concentrations less than two times the CRDL [i.e., 1 mg/kg (Ni and Se) and 200 mg/kg (K)] were qualified as biased high ("K"). No qualification was necessary for Cd because all sample results were non-detect. Supporting documentation (i.e., laboratory Form 2B) is presented in Appendix D.
- The metals CRDL standards associated with soil samples SS-MW11-0, SS-SB01-0, SS-SB01-1, SS-SB01-4, SS-SB04-0, SS-SB04-1, SS-SB04-4, SS-SB05-0, SS-SB05-1, and SS-SB05-4 exhibited low recoveries (i.e., <90%) for Cu, Na, thallium (Tl), and high recoveries (i.e., >110%) for Al and Se. The Cu, Na, and Tl results for samples with concentrations less than two times the CRDL [i.e., 1 mg/kg (Cu), 400 mg/kg (Na), and 2 mg/kg (Tl)] were qualified as biased low ("L" or "UL"). The Se results for samples with concentrations less than two times the CRDL [i.e., 1 mg/kg (Se)] were qualified as biased high ("K"). No qualification was necessary for Al because the sample results were greater than two times the CRDL. Supporting documentation (i.e., laboratory Form 2B) is presented in Appendix D.

- The metals CRDL standard associated with SDG No. T2812 and U2812 exhibited low recoveries (i.e., <90%) for Cu and Na, and high recoveries (i.e., >110%) for As, lead (Pb), K, and Se. The Cu and Na results for samples with concentrations less than two times the CRDL [i.e., 10 µg/L (Cu) and 4000 µg/L (Na)] were qualified as biased low ("L" or "UL"). The As, Pb, K, and Se results (not qualified "B") for samples with concentrations less than two times the CRDL [i.e., 20µg/L (As), 6 µg/L (Pb), 2000 µg/L (K), and 10 µg/L (Se)] were qualified as biased high ("K"). Supporting documentation (i.e., laboratory Form 2B) is presented in Appendix D.
- The metals MS/MSD analysis of soil sample SS-MW10-0 (SDG No. Q2812) exhibited low recoveries (i.e., <75%) for Tl and Pb. The Tl and Pb results for all associated soil samples in SDG No. Q2812 were qualified as biased low ("L" or "UL"). Supporting documentation (i.e., laboratory Form 5A) is presented in Appendix D.
- The metals MS/MSD analysis of soil sample SS-MW10-1 (SDG No. R2812) exhibited a low recovery (i.e., <75%) for Tl and a high recovery (i.e., >125%) for Pb. The Tl results for all associated soil samples in SDG No. R2812 (all non-detect) were qualified as biased low ("UL"), while the Pb results were qualified as biased high ("K"). Supporting documentation (i.e., laboratory Form 5A) is presented in Appendix D.
- The dissolved metals MS/MSD analysis of groundwater sample GW-MW11 (SDG No. U2812) exhibited a low recovery (i.e., <75%) for silver (Ag). The dissolved Ag results for all associated groundwater samples in SDG No. U2812 (all non-detect) were qualified as biased low ("UL"). Supporting documentation (i.e., laboratory Form 5A) is presented in Appendix D.
- The metals matrix duplicate analysis of groundwater sample GW-MW11 (SDG No. T2812) exhibited a high relative percent difference (RPD) (i.e., >20%) for Zn. The Zn results for all associated groundwater samples in SDG No. T2812 (not qualified "B") were qualified as estimated ("J"). Supporting documentation (i.e., laboratory Form 6) is presented in Appendix D.
- The metals serial dilution of soil sample SS-MW10-0 (SDG No. Q2812) exhibited high percent differences (%Ds) (i.e., >10%) for magnesium (Mg) and Zn. The Mg and Zn results for all associated soil samples in SDG No. Q2812 (not qualified "B") were qualified as estimated ("J"). Supporting documentation (i.e., laboratory Form 9) is presented in Appendix D.
- The metals serial dilution of soil sample SS-MW10-1 (SDG No. R2812) exhibited a high %D (i.e., >10%) for Mg. The Mg results for all associated soil samples in SDG No. R2812 (not qualified "B") were qualified as estimated ("J"). Supporting documentation (i.e., laboratory Form 9) is presented in Appendix D.

Notes

Sample Custody Documentation

All samples were received at the laboratory intact and under proper chain-of-custody (COC) documentation with the following exceptions:

- Equipment rinsate blank sample ER-SS-120402 was not referenced on the COC. However, the laboratory received the appropriate sample containers and performed the requested analyses accordingly.
- The sample containers for soil samples SS-SB02-0, SS-SB02-1, and SS-SB02-4 were mislabeled as SS-SB04-0, SS-SB04-1, and SS-SB04-4, respectively, but the sample collection times on the containers were in agreement with the COC.
- For SDG No. R2812, the cooler temperature recorded at the laboratory (i.e., 7°C) was slightly above the QC limits of 4°C ± 2°C.
- The total/dissolved metals analysis was not requested on the COC for groundwater sample GW-MW11. However, the laboratory received the appropriate sample container and performed the metals analyses accordingly.
- For SDG No. T2812, the trip blank collected on 01/08/03 was not requested on the COC. However, the laboratory received the appropriate sample containers and performed the VOC analysis accordingly.
- The trip blank VOA vials associated with the groundwater samples collected on 01/20/03 were received broken at the laboratory. Consequently, the VOC analysis could not be performed on the trip blank.

Blank Review

Several target compounds/analytes were detected in the laboratory and field QC blank samples, as summarized in Table 1, which lists the maximum concentrations detected in the blanks. Supporting documentation (i.e., laboratory Forms 1 and 4 for organics; and Forms 3, 13, and 14 for inorganics) is presented in Appendix D.

USEPA Region III validation guidelines require sample concentrations less than ten times the amount detected in an associated blank for common lab contaminants [i.e., methylene chloride, acetone, 2-butanone, and phthalates], and five times for all other target compounds/analytes to be qualified "B".

The following describes which sample results should be considered false-positive due to blank contamination. Only those contaminants requiring qualification are referenced.

- The one or more of the following VOCs were qualified "B" (false positive) in the soil samples due to method, rinsate, and trip blank contamination: dichlorodifluoromethane, trichlorofluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, carbon disulfide, acetone, methylene chloride, trans-1,2-dichloroethene, trichloroethene, toluene, and tetrachloroethene.

- The one or more of the following VOCs were qualified “B” (false positive) in the groundwater samples due to method and trip blank contamination: 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and toluene.
- The one or more of the following SVOCs were qualified “B” (false positive) in the soil samples due to method and rinsate trip blank contamination: phenanthrene, fluoranthene, pyrene, bis(2-ethylhexyl)phthalate, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene.
- The VOC TIC results (i.e., laboratory artifacts – siloxane compounds from column bleed) were qualified “B” (false positive) and crossed out in all groundwater samples due to laboratory contamination.
- Several SVOC TIC results (i.e., unknown) were qualified “B” (false positive) and crossed out in all soil samples due to method blank contamination. Also, TIC results identified as laboratory artifacts (i.e., siloxane compounds from column bleed, unknown phthalates) were crossed out due to laboratory contamination.
- The total metals results for Sb, beryllium (Be), Mg, K, and Zn in one or more soil samples were qualified “B” (false positive) due to method, calibration, or rinse blank contamination.
- The total metals results for Al, Sb, As, chromium (Cr), Fe, Pb, Hg, and Zn in one or more groundwater samples were qualified “B” (false positive) due to method, calibration, or rinse blank contamination.
- The dissolved metals results for Cr, cobalt (Co), Fe, and Hg in one or more groundwater samples were qualified “B” (false positive) due to method, rinsate, or calibration blank contamination.

Field Duplicate Precision

The following field duplicates were collected during this sampling event:

| <u>Parent Sample ID</u> | <u>Field Duplicate ID</u> |
|-------------------------|---------------------------|
| SS-MW10-4 | SS-MW10D-4 |
| SS-MW11-1 | SS-MW11D-1 |
| SS-MW11-4 | SS-MW11D-4 |
| GW-MW02 | GW-MW02D |

A summary of field precision is presented in Tables 2-1 to 2-5. No qualification of data was made based on field duplicate precision, as per the USEPA Region III validation guidelines.

Matrix Spike/Matrix Spike Duplicate Accuracy and Precision

MS/MSD analyses were performed on samples SS-MW10-0, SS-MW10-1, GW-MW11, and GW-MW-115. The MS/MSD analyses and associated Laboratory Control Samples (LCSs) generally

exhibited good precision and accuracy. MS/MSD and LCS outliers resulting in data qualification were noted in the Minor Problems section of this report.

The VOC, SVOC and pesticide MS/MSD and/or LCS analyses exhibited percent recoveries outside quality control limits for some target compounds. Since USEPA Region III National Functional Guidelines for Organic Data Review does not require data qualification for MS/MSD and/or LCS outliers alone, no qualification of the data was required.

Reporting Variances

The following analytical result reporting variances, requiring no further data validation qualification, were noted during the data review:

- For samples SS-MW08-1 and SS-SB01-0, benzo(k)fluoranthene was identified as a SVOC TIC. Target SVOCs should not be identified as TICs. Therefore, the identification of this TIC was revised to "benzo(k)fluoranthene isomer" since the retention time was outside QC limits (i.e., ± 0.06 relative retention time units) from the daily calibration standard. Also, the CAS number and laboratory applied "N" qualifier were deleted from the Form 1 SVOC-TIC.
- For sample SS-MW08-4, anthracene was identified as a SVOC TIC. Target SVOCs should not be identified as TICs. Therefore, the identification of this TIC was revised to "anthracene isomer" since the retention time was outside QC limits (i.e., ± 0.06 relative retention time units) from the daily calibration standard. Also, the CAS number and laboratory applied "N" qualifier were deleted from the Form 1 SVOC-TIC.
- For sample SS-SB04-0, 2-methylnaphthalene was identified as a VOC TIC. Target SVOCs should not be identified as VOC TICs. This TIC was deleted from the Form 1 VOC-TIC.

TABLE 1
MAXIMUM CONCENTRATION OF ANALYTES IN QC BLANKS
80th Division Reserve Site - Ft. Story, Virginia
SDG Nos. Q2812, R2812, S2812, T2812, U2812, Q2849, and R2849

| Analyte | Aqueous Method/ Preparation Blanks (ug/L) | Aqueous Method/ Preparation Blanks (Dissolved) (ug/L) | Soil Method/ Preparation Blanks (ug/kg) | Rinsate Blanks (ug/L) | Rinsate Blanks (Dissolved) (ug/L) | Trip Blanks (ug/L) | Calibration Blanks (Inorganics Only) (ug/L) |
|---------------------------------------|---|--|---|-----------------------------|--|--------------------------|---|
| Acetone | --- | NA | 4 | --- | NA | --- | NA |
| Carbon Disulfide | --- | NA | 0.6 | --- | NA | --- | NA |
| Chlorobenzene | 0.2 | NA | --- | --- | NA | 0.2 | NA |
| 1,4-Dichlorobenzene | 0.5 | NA | 0.3 | --- | NA | 0.3 | NA |
| 1,2-Dichlorobenzene | --- | NA | 0.2 | --- | NA | --- | NA |
| Dichlorodifluoromethane | --- | NA | 0.6 | --- | NA | --- | NA |
| trans-1,2,-Dichloroethene | --- | NA | 0.7 | --- | NA | --- | NA |
| Methylene Chloride | --- | NA | 5 | 2 | NA | 2 | NA |
| Tetrachloroethene | --- | NA | 0.5 | --- | NA | --- | NA |
| 1,1,2,2-Tetrachloroethane | --- | NA | --- | --- | NA | --- | NA |
| Toluene | 0.9 | NA | 2 | 3 | NA | 4 | NA |
| 1,2,4-Trichlorobenzene | 1 | NA | 1 | --- | NA | 0.9 | NA |
| Trichloroethene | --- | NA | 0.5 | --- | NA | --- | NA |
| trichlorofluoromethane | --- | NA | 2 | --- | NA | --- | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | --- | NA | 1 | --- | NA | --- | NA |
| Xylenes (Total) | 0.5 | NA | --- | --- | NA | --- | NA |
| Phenanthrene | --- | NA | 34 | --- | NA | NA | NA |
| Fluoranthene | --- | NA | 260 | --- | NA | NA | NA |
| Pyrene | --- | NA | 180 | --- | NA | NA | NA |
| Benzo(a)anthracene | --- | NA | 140 | --- | NA | NA | NA |
| Chrysene | --- | NA | 170 | --- | NA | NA | NA |
| Benzo(b)fluoranthene | --- | NA | 72 | --- | NA | NA | NA |
| Benzo(k)fluoranthene | --- | NA | 58 | --- | NA | NA | NA |
| Benzo(a)pyrene | --- | NA | 33 | --- | NA | NA | NA |
| bis(2-Ethylhexyl)phthalate | --- | NA | 35 | 2 | NA | NA | NA |
| Caprolactum | --- | NA | --- | 2 | NA | NA | NA |
| Aluminum | --- | --- | --- | 15.6 | --- | NA | 50.4 |
| Antimony | --- | --- | --- | 5.0 | --- | NA | --- |
| Arsenic | --- | --- | --- | --- | --- | NA | 4.2 |
| Barium | 0.4 | 0.41 | 0.047 mg/kg | 0.6 | 0.56 | NA | 0.7 |
| Beryllium | --- | --- | --- | --- | --- | NA | 0.3 |
| Cadmium | --- | --- | --- | --- | --- | NA | 0.6 |
| Calcium | --- | --- | --- | 50.6 | 59.2 | NA | 13.1 |
| Chromium | --- | --- | --- | 1.2 | 1.1 | NA | --- |
| Cobalt | --- | --- | --- | --- | 0.86 | NA | --- |
| Iron | --- | --- | --- | 35.1 | 37.1 | NA | 30.4 |
| Lead | --- | --- | --- | 1.4 | --- | NA | 1.3 |
| Magnesium | 68.3 | 59.6 | 6.254 mg/kg | 66.0 | 64.9 | NA | 76.6 |
| Manganese | --- | --- | --- | 0.37 | 1.1 | NA | 0.2 |
| Mercury | 0.112 | 0.113 | --- | 0.11 | 0.10 | NA | 0.10 |
| Potassium | --- | 169.3 | 33.71 mg/kg | 81.1 | 131 | NA | 312.4 |
| Sodium | --- | --- | --- | 261 | --- | NA | --- |
| Zinc | 1.2 | 1.123 | 0.250 mg/kg | 10.8 | 4.8 | NA | --- |

--- - Non-detect
NA - Not Applicable

TABLE 2-1
FIELD DUPLICATE PRECISION
80th Division Reserve Site - Ft. Story, Virginia
SDG No. Q2812

| PRIMARY SAMPLE ID | FIELD DUPLICATE SAMPLE ID | ANALYTE/COMPOUND | PRIMARY COMPOUND CONCENTRATION (ug/kg) | DUPLICATE COMPOUND CONCENTRATION (ug/kg) | RPD (%) |
|-------------------|---------------------------|----------------------------|--|--|---------|
| SS-MW10-4 | SS-MW10D-4 | Trichlorofluoromethane | 0.6 | 0.8 | 28.6 |
| | | Carbon Disulfide | 2.0 | 2.0 | 0.0 |
| | | Acetone | 17 | 18 | 5.7 |
| | | 4-Methyl-2-pentanone | ND | 5 | NC |
| | | Xylene (Total) | ND | 2 | NC |
| | | bis(2-Ethylhexyl)phthalate | 610 | 290 | 71.1 |
| | | gamma-BHC (Lindane) | ND | 0.37 | NC |
| | | 4,4'-DDD | ND | 0.42 | NC |
| | | 4,4'-DDT | 0.93 | 3.0 | 105.3 |
| | | Aluminum (mg/kg) | 299 | 240 | 21.9 |
| | | Barium (mg/kg) | 2.1 | 1.7 | 21.1 |
| | | Calcium (mg/kg) | 118 | 80.9 | 37.3 |
| | | Chromium (mg/kg) | 6.3 | 4.2 | 40.0 |
| | | Cobalt (mg/kg) | 0.12 | 0.14 | 15.4 |
| | | Copper (mg/kg) | 0.40 | ND | NC |
| | | Iron (mg/kg) | 867 | 594 | 37.4 |
| | | Lead (mg/kg) | 1.4 | 0.83 | 51.1 |
| | | Magnesium (mg/kg) | 45.5 | B | NC |
| | | Manganese (mg/kg) | 6.6 | 3.4 | 64.0 |
| | | Mercury (mg/kg) | 0.019 | 0.020 | 5.1 |
| | | Nickel (mg/kg) | 0.39 | 0.38 | 2.6 |
| | | Sodium (mg/kg) | 67.0 | 60.0 | 11.0 |
| | | Vanadium (mg/kg) | 1.3 | 1.1 | 16.7 |
| | | Zinc (mg/kg) | 6.5 | B | NC |

Only analytes detected in sample and/or duplicate are shown.

NC - Not Calculable

ND - Not Detected

B - Analyte detected in the associated QC blank.

TABLE 2-2
FIELD DUPLICATE PRECISION
80th Division Reserve Site - Ft. Story, Virginia
SDG No. Q2812

| PRIMARY SAMPLE ID | FIELD DUPLICATE SAMPLE ID | ANALYTE/COMPOUND | PRIMARY COMPOUND CONCENTRATION (ug/kg) | DUPLICATE COMPOUND CONCENTRATION (ug/kg) | RPD (%) |
|-------------------|---------------------------|----------------------------|--|--|---------|
| SS-MW11-1 | SS-MW11D-1 | Carbon Disulfide | 1 | ND | NC |
| | | Acetone | 25 | 17 | 38.1 |
| | | Xylene (Total) | 1 | ND | NC |
| | | bis(2-Ethylhexyl)phthalate | 260 | 310 | 17.5 |
| | | 4,4'-DDE | 0.98 | 1.60 | 48.1 |
| | | 4,4'-DDT | 1.40 | 1.7 | 19.4 |
| | | Aluminum (mg/kg) | 313 | 314 | 0.3 |
| | | Barium (mg/kg) | 2.9 | 2.9 | 0.0 |
| | | Calcium (mg/kg) | 66 | 77.7 | 16.9 |
| | | Chromium (mg/kg) | 1.9 | 5.1 | 91.4 |
| | | Cobalt (mg/kg) | 0.23 | 0.27 | 16.0 |
| | | Copper (mg/kg) | 17.9 | 22.2 | 21.4 |
| | | Iron (mg/kg) | 875 | 1270 | 36.8 |
| | | Lead (mg/kg) | 8.2 | 33.6 | 121.5 |
| | | Magnesium (mg/kg) | 45.3 | 51.2 | 12.2 |
| | | Manganese (mg/kg) | 10.1 | 13.9 | 31.7 |
| | | Mercury (mg/kg) | 0.018 | 0.018 | 0.0 |
| | | Nickel (mg/kg) | 0.42 | 0.54 | 25.0 |
| | | Sodium (mg/kg) | 65.6 | 95.2 | 36.8 |
| | | Vanadium (mg/kg) | 1.6 | 1.6 | 0.0 |
| | | Zinc (mg/kg) | 24.6 | 42.7 | 53.8 |

Only analytes detected in sample and/or duplicate are shown.

NC - Not Calculable

ND - Not Detected

TABLE 2-3
FIELD DUPLICATE PRECISION
80th Division Reserve Site - Ft. Story, Virginia
SDG No. Q2812

| PRIMARY SAMPLE ID | FIELD DUPLICATE SAMPLE ID | ANALYTE/COMPOUND | PRIMARY COMPOUND CONCENTRATION (ug/kg) | DUPLICATE COMPOUND CONCENTRATION (ug/kg) | RPD (%) |
|-------------------|---------------------------|---------------------------------------|--|--|---------|
| SS-MW11-4 | SS-MW11D-4 | Dichlorodifluoromethane | B | 0.6 | NC |
| | | 1,1,2-Trichloro-1,2,2-trifluoroethane | B | 2 | NC |
| | | 4-Methyl-2-pentanone | B | 16 | NC |
| | | Ethylbenzene | ND | 0.6 | NC |
| | | Xylene (Total) | 1 | 7 | 150.0 |
| | | bis(2-Ethylhexyl)phthalate | 270 | 200 | 29.8 |
| | | 4,4'-DDD | ND | 0.88 | NC |
| | | 4,4'-DDT | ND | 1.3 | NC |
| | | Aluminum (mg/kg) | 172 | 216 | 22.7 |
| | | Barium (mg/kg) | 1.7 | 1.9 | 11.1 |
| | | Calcium (mg/kg) | 87.9 | 88.9 | 1.1 |
| | | Chromium (mg/kg) | 1.9 | 2.2 | 14.6 |
| | | Cobalt (mg/kg) | 0.09 | 0.16 | 56.0 |
| | | Copper (mg/kg) | 0.50 | 0.97 | 63.9 |
| | | Iron (mg/kg) | 559 | 734 | 27.1 |
| | | Lead (mg/kg) | 2.0 | 2.6 | 26.1 |
| | | Manganese (mg/kg) | 5.2 | 5.4 | 3.8 |
| | | Mercury (mg/kg) | ND | 0.020 | NC |
| | | Nickel (mg/kg) | 0.39 | 0.38 | 2.6 |
| | | Sodium (mg/kg) | 51.1 | 59.7 | 15.5 |
| | | Vanadium (mg/kg) | 0.81 | 1.0 | 20.0 |

Only analytes detected in sample and/or duplicate are shown.

NC - Not Calculable

ND - Not Detected

B - Analyte detected in the associated QC blank.

TABLE 2-4
FIELD DUPLICATE PRECISION
80th Division Reserve Site - Ft. Story, Virginia
SDG No. T2812

| PRIMARY SAMPLE ID | FIELD DUPLICATE SAMPLE ID | ANALYTE/COMPOUND | PRIMARY COMPOUND CONCENTRATION (ug/L) | DUPLICATE COMPOUND CONCENTRATION (ug/L) | RPD (%) |
|-------------------|---------------------------|------------------|---------------------------------------|---|---------|
| GW-MW02 | GW-MW02D | Aluminum | 260 | 890 | 109.6 |
| | | Barium | 13.0 | 15.7 | 18.8 |
| | | Cadmium | ND | 1.1 | NC |
| | | Calcium | 20900 | 20600 | 1.4 |
| | | Chromium | B | 6.0 | NC |
| | | Copper | ND | 1.9 | NC |
| | | Iron | 192 | 972 | 134.0 |
| | | Magnesium | 2720 | 2700 | 0.7 |
| | | Manganese | 14 | 17.2 | 17.7 |
| | | Nickel | ND | 2.5 | NC |
| | | Potassium | 2380 | 2380 | 0.0 |
| | | Sodium | 4970 | 4930 | 0.8 |
| | | Vanadium | 2.0 | 4.2 | 71.0 |
| | | Zinc | 58.8 | 173 | 98.5 |

Only analytes detected in sample and/or duplicate are shown.

NC - Not Calculable

ND - Not Detected

B - Analyte detected in the associated QC blank.

TABLE 2-5
FIELD DUPLICATE PRECISION
80th Division Reserve Site - Ft. Story, Virginia
SDG No. U2812

| PRIMARY SAMPLE ID | FIELD DUPLICATE SAMPLE ID | ANALYTE/COMPOUND | PRIMARY COMPOUND CONCENTRATION (ug/L) | DUPLICATE COMPOUND CONCENTRATION (ug/L) | RPD (%) |
|-------------------|---------------------------|-----------------------|---------------------------------------|---|---------|
| E19-GW01-00-749 | E19-GW01-00-752 | Aluminum (dissolved) | 86.2 | 57.3 | 40.3 |
| | | Barium (dissolved) | 11.5 | 11.4 | 0.9 |
| | | Calcium (dissolved) | 20700 | 20800 | 0.5 |
| | | Cobalt (dissolved) | 1.2 | 1.5 | 22.2 |
| | | Magnesium (dissolved) | 2710 | 2720 | 0.4 |
| | | Manganese (dissolved) | 14 | 13.5 | 2.2 |
| | | Potassium (dissolved) | 2630 | 2620 | 0.4 |
| | | Selenium (dissolved) | 10.3 | 10.2 | 1.0 |
| | | Sodium (dissolved) | 4860 | 4720 | 2.9 |
| | | Vanadium (dissolved) | 1.3 | 1.5 | 14.3 |
| | | Zinc (dissolved) | 25.9 | 27.0 | 4.2 |

ND - Non-Detect

NC - Not Calculable

Only analytes detected in sample and/or duplicate are shown.

APPENDIX A

SAMPLE AND ANALYSIS SUMMARY

APPENDIX A
SAMPLE AND ANALYSIS SUMMARY
80th DIVISION RESERVE SITE - FORT STORY, VIRGINIA

| Sample ID | Date Sampled | TCL VOCS (8260B) ¹ | TCL SVOCs (8270C) ¹ | TCL Pesticides/ PCBs (8081A/8082) ¹ | TAL Metals (Total/Dissolved) (6010B/7470A/7471A) ¹ | Comments |
|----------------------------|--------------|----------------------------------|-----------------------------------|--|---|----------|
| SOIL SAMPLES | | | | | | |
| SS-MW07-0 | 12/3/02 | X | X | X | X | --- |
| SS-MW07-1 | 12/3/02 | X | X | X | X | --- |
| SS-MW07-4 | 12/3/02 | X | X | X | X | --- |
| SS-MW08-0 | 12/3/02 | X | X | X | X | --- |
| SS-MW08-1 | 12/3/02 | X | X | X | X | --- |
| SS-MW08-4 | 12/3/02 | X | X | X | X | --- |
| SS-MW11-1 | 12/3/02 | X | X | X | X | --- |
| SS-MW11-4 | 12/3/02 | X | X | X | X | --- |
| SS-MW11D-1 | 12/3/02 | X | X | X | X | FD |
| SS-MW11D-4 | 12/3/02 | X | X | X | X | FD |
| SS-MW10-0 | 12/3/02 | X | X | X | X | MS/MSD |
| SS-MW10-1 | 12/3/02 | X | X | X | X | MS/MSD |
| SS-MW10-4 | 12/3/02 | X | X | X | X | --- |
| SS-MW10D-4 | 12/3/02 | X | X | X | X | FD |
| SS-SB01-0 | 12/4/02 | X | X | X | X | --- |
| SS-SB01-1 | 12/4/02 | X | X | X | X | --- |
| SS-SB01-4 | 12/4/02 | X | X | X | X | --- |
| SS-SB02-0 | 12/4/02 | X | X | X | X | --- |
| SS-SB02-1 | 12/4/02 | X | X | X | X | --- |
| SS-SB02-4 | 12/4/02 | X | X | X | X | --- |
| SS-SB03-0 | 12/4/02 | X | X | X | X | --- |
| SS-SB03-1 | 12/4/02 | X | X | X | X | --- |
| SS-SB03-4 | 12/4/02 | X | X | X | X | --- |
| SS-SB04-0 | 12/4/02 | X | X | X | X | --- |
| SS-SB04-1 | 12/4/02 | X | X | X | X | --- |
| SS-SB04-4 | 12/4/02 | X | X | X | X | --- |
| SS-SB05-0 | 12/4/02 | X | X | X | X | --- |
| SS-SB05-1 | 12/4/02 | X | X | X | X | --- |
| SS-SB05-4 | 12/4/02 | X | X | X | X | --- |
| SS-MW11-0 | 12/4/02 | X | X | X | X | --- |
| SS-MW09-0 | 12/10/02 | X | X | X | X | --- |
| SS-MW09-1 | 12/10/02 | X | X | X | X | --- |
| SS-MW09-4 | 12/10/02 | X | X | X | X | --- |
| 6MW05S | 12/10/02 | X | --- | --- | X (Iron only) | --- |
| 6MW09 | 12/10/02 | X | --- | --- | X (Iron only) | --- |
| 6MW06 | 12/10/02 | X | --- | --- | X (Iron only) | --- |
| GROUNDWATER SAMPLES | | | | | | |
| GW-MW08 | 1/7/03 | X | X | X | X | --- |
| GW-MW01 | 1/7/03 | X | X | X | X | --- |
| GW-MW02 | 1/7/03 | X | X | X | X | --- |
| GW-MW02D | 1/7/03 | X | X | X | X | FD |
| GW-MW10 | 1/8/03 | X | X | X | X | --- |
| GW-MW11 | 1/8/03 | X | X | X | X | MS/MSD |
| GW-MW07 | 1/8/03 | X | X | X | X | --- |
| GW-MW09 | 1/9/03 | X | X | X | X | --- |
| GW-MW05 | 1/9/03 | X | X | X | X | --- |
| GW-MW06 | 1/9/03 | X | X | X | X | --- |
| GW-MW03 | 1/14/03 | X | X | X | X | --- |
| GW-6MW3D | 1/13/03 | X | --- | --- | X (Arsenic and Iron only) | --- |

APPENDIX A
SAMPLE AND ANALYSIS SUMMARY
80th DIVISION RESERVE SITE - FORT STORY, VIRGINIA

| Sample ID | Date Sampled | TCL VOCs (8260B) ¹ | TCL SVOCs (8270C) ¹ | TCL Pesticides/PCBs (8081A/8082) ¹ | TAL Metals (Total/Dissolved) (6010B/7470A/7471A) ¹ | Comments |
|----------------------------|--------------|-------------------------------|--------------------------------|---|---|----------|
| GROUNDWATER SAMPLES | | | | | | |
| GW-6MW-6 | 1/14/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-MW-117 | 1/14/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-MW-118 | 1/14/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-MW-118D | 1/14/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-6MW-5D | 1/15/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-6MW-5S | 1/15/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-6MW-7 | 1/15/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-MW-115 | 1/20/03 | X | --- | --- | X (Arsenic and Iron only) | MS/MSD |
| GW-6MW-3S | 1/20/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-6MW-8 | 1/20/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-6MW-4 | 1/20/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| GW-6MW-4D | 1/20/03 | X | --- | --- | X (Arsenic and Iron only) | --- |
| FIELD QC SAMPLES | | | | | | |
| Trip Blank | 12/3/02 | X | --- | --- | --- | TB |
| ER-SS-120402 | 12/3/02 | X | X | X | X | ER |
| Trip Blank | 12/10/02 | X | --- | --- | --- | TB |
| ER-SS-121002 | 12/10/02 | X | X | X | X | ER |
| Trip Blank | 1/7/03 | X | --- | --- | --- | TB |
| ER-SS-010803 | 1/8/03 | X | X | X | X | ER |
| Trip Blank | 1/8/03 | X | --- | --- | --- | TB |
| ER-SS-010903 | 1/9/03 | X | X | X | X | ER |
| Trip Blank | 1/9/03 | X | --- | --- | --- | TB |
| Trip Blank | 1/14/03 | X | --- | --- | --- | TB |
| Trip Blank | 1/15/03 | X | --- | --- | --- | TB |

Notes:

¹ - USEPA, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Final Update III, June 1997

TCL - Target Compound List

VOC - Volatile Organic Compound

SVOC - Semivolatile Organic Compound

PCB - Polychlorinate Biphenyl

X - Analysis performed

--- - Parameter not requested or no comment

FD - Field Duplicate

MS/MSD - Matrix Spike/Matrix Spike Duplicate

TB - Trip Blank

ER - Equipment Rinsate Blank

APPENDIX C

LABORATORY RESULTS (Form IS)

GLOSSARY OF DATA QUALIFIERS

For the purposes of Region III Data Validation, the following code letters and associated definitions are provided:

- U** - Not detected. The associated number indicates approximate sample concentration necessary to be detected.
- B** - Not detected substantially above the level reported in the laboratory or field blanks.
- R** - Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.
- J** - Analyte present. Reported value may not be accurate or precise.
- K** - Analyte present. Reported value may be biased high. Actual value is expected lower.
- L** - Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- N** - Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.
- UJ** - Not detected. Quantitation limit may be inaccurate or imprecise.
- UL** - Not detected. Quantitation limit is probably higher.
- NJ** - Qualitative identification questionable due to poor resolution. Presumptively present at an approximate quantity.
- D** - The reported value is from a secondary dilution.

APPENDIX B

GLOSSARY OF DATA QUALIFIERS

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-14

Sample wt/vol: 4.31(g/mL) G

Lab File ID: Q2812-14A52

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. 8

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|-----------------|------------------------------|-----|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 6 | U | |
| 74-87-3----- | Chloromethane | 6 | U | |
| 75-01-4----- | Vinyl Chloride | 6 | U | |
| 74-83-9----- | Bromomethane | 6 | U | |
| 75-00-3----- | Chloroethane | 6 | U | |
| 75-69-4----- | Trichlorofluoromethane | 6 | U | |
| 75-35-4----- | 1,1-Dichloroethene | 6 | U | |
| 75-15-0----- | Carbon disulfide | 2 | J | |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 6 | U | |
| 67-64-1----- | Acetone | 44 | | |
| 75-09-2----- | Methylene Chloride | 4 | J | B |
| 156-60-5----- | trans-1,2-Dichloroethene | 6 | U | |
| 1634-04-4----- | Methyl-tert-butyl ether | 6 | U | |
| 75-34-3----- | 1,1-Dichloroethane | 6 | U | |
| 156-59-2----- | cis-1,2-Dichloroethene | 6 | U | |
| 78-93-3----- | 2-butanone | 16 | U | |
| 67-66-3----- | Chloroform | 6 | U | |
| 71-55-6----- | 1,1,1-Trichloroethane | 6 | U | |
| 56-23-5----- | Carbon Tetrachloride | 6 | U | |
| 71-43-2----- | Benzene | 6 | U | |
| 107-06-2----- | 1,2-Dichloroethane | 6 | U | |
| 79-01-6----- | Trichloroethene | 6 | U | |
| 78-87-5----- | 1,2-Dichloropropane | 6 | U | |
| 75-27-4----- | Bromodichloromethane | 6 | U | |
| 10061-01-5----- | cis-1,3-Dichloropropene | 6 | U | |
| 108-10-1----- | 4-Methyl-2-pentanone | 16 | U | |
| 108-88-3----- | Toluene | 0.7 | JB | B |
| 10061-02-6----- | trans-1,3-Dichloropropene | 6 | U | |
| 79-00-5----- | 1,1,2-Trichloroethane | 6 | U | |
| 127-18-4----- | Tetrachloroethene | 6 | U | |
| 591-78-6----- | 2-hexanone | 16 | U | |
| 124-48-1----- | Dibromochloromethane | 6 | U | |
| 106-93-4----- | 1,2-Dibromoethane | 6 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-14

Sample wt/vol: 4.31(g/mL) G

Lab File ID: Q2812-14A52

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. 8

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 6 | U |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 19 | U |
| 79-20-9----- | Methyl acetate | 6 | J |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-15

Sample wt/vol: 4.66(g/mL) G

Lab File ID: Q2812-15A52

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. 7

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|------------------------------|---|----|
| 75-71-8 | Dichlorodifluoromethane | 6 | U |
| 74-87-3 | Chloromethane | 6 | U |
| 75-01-4 | Vinyl Chloride | 6 | U |
| 74-83-9 | Bromomethane | 6 | U |
| 75-00-3 | Chloroethane | 6 | U |
| 75-69-4 | Trichlorofluoromethane | 6 | U |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-15-0 | Carbon disulfide | 6 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 6 | U |
| 67-64-1 | Acetone | 28 | U |
| 75-09-2 | Methylene Chloride | 4 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3 | 2-butanone | 14 | U |
| 67-66-3 | Chloroform | 6 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 14 | U |
| 108-88-3 | Toluene | 0.7 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4 | Tetrachloroethene | 6 | U |
| 591-78-6 | 2-hexanone | 14 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 106-93-4 | 1,2-Dibromoethane | 6 | U |

FORM I VOA

3/24/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-15

Sample wt/vol: 4.66(g/mL) G

Lab File ID: Q2812-15A52

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. 7

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 6 | U |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 17 | U |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-16

Sample wt/vol: 4.33 (g/mL) G

Lab File ID: Q2812-16B52

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. 9

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 6 | U |
| 74-87-3----- | Chloromethane | 6 | U |
| 75-01-4----- | Vinyl Chloride | 6 | U |
| 74-83-9----- | Bromomethane | 6 | U |
| 75-00-3----- | Chloroethane | 6 | U |
| 75-69-4----- | Trichlorofluoromethane | 6 | U |
| 75-35-4----- | 1,1-Dichloroethene | 6 | U |
| 75-15-0----- | Carbon disulfide | 6 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 6 | U |
| 67-64-1----- | Acetone | 5 | J |
| 75-09-2----- | Methylene Chloride | 4 | J |
| 156-60-5----- | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 6 | U |
| 75-34-3----- | 1,1-Dichloroethane | 6 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3----- | 2-butanone | 16 | U |
| 67-66-3----- | Chloroform | 6 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5----- | Carbon Tetrachloride | 6 | U |
| 71-43-2----- | Benzene | 6 | U |
| 107-06-2----- | 1,2-Dichloroethane | 6 | U |
| 79-01-6----- | Trichloroethene | 6 | U |
| 78-87-5----- | 1,2-Dichloropropane | 6 | U |
| 75-27-4----- | Bromodichloromethane | 6 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 16 | U |
| 108-88-3----- | Toluene | 0.9 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4----- | Tetrachloroethene | 6 | U |
| 591-78-6----- | 2-hexanone | 16 | U |
| 124-48-1----- | Dibromochloromethane | 6 | U |
| 106-93-4----- | 1,2-Dibromoethane | 6 | U |

B

B

3/24/03

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-16

Sample wt/vol: 4.33(g/mL) G

Lab File ID: Q2812-16B52

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. 9

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 6 | U |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 19 | U |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-1

Sample wt/vol: 4.02 (g/mL) G

Lab File ID: Q2812-1A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 5

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|------------|------------------------------|-----|----|---|
| 75-71-8 | Dichlorodifluoromethane | 7 | U | |
| 74-87-3 | Chloromethane | 7 | U | |
| 75-01-4 | Vinyl Chloride | 7 | U | |
| 74-83-9 | Bromomethane | 7 | U | |
| 75-00-3 | Chloroethane | 7 | U | |
| 75-69-4 | Trichlorofluoromethane | 2 | JB | B |
| 75-35-4 | 1,1-Dichloroethene | 7 | U | |
| 75-15-0 | Carbon disulfide | 1 | JB | B |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 2 | J | |
| 67-64-1 | Acetone | 18 | B | B |
| 75-09-2 | Methylene Chloride | 6 | JB | ↓ |
| 156-60-5 | trans-1,2-Dichloroethene | 0.9 | JB | |
| 1634-04-4 | Methyl-tert-butyl ether | 7 | U | |
| 75-34-3 | 1,1-Dichloroethane | 7 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 7 | U | |
| 78-93-3 | 2-butanone | 16 | U | |
| 67-66-3 | Chloroform | 7 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 7 | U | |
| 56-23-5 | Carbon Tetrachloride | 7 | U | |
| 71-43-2 | Benzene | 7 | U | |
| 107-06-2 | 1,2-Dichloroethane | 7 | U | |
| 79-01-6 | Trichloroethene | 0.8 | JB | B |
| 78-87-5 | 1,2-Dichloropropane | 7 | U | |
| 75-27-4 | Bromodichloromethane | 7 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 7 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | J | |
| 108-88-3 | Toluene | 3 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 7 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 7 | U | |
| 127-18-4 | Tetrachloroethene | 9 | B | |
| 591-78-6 | 2-hexanone | 16 | U | |
| 124-48-1 | Dibromochloromethane | 7 | U | |
| 106-93-4 | 1,2-Dibromoethane | 7 | U | |

FORM I VOA

3/24/03
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-1

Sample wt/vol: 4.02 (g/mL) G

Lab File ID: Q2812-1A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 5

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 0.5 | J |
| 100-41-4----- | Ethylbenzene | 0.7 | J |
| 100-42-5----- | Styrene | 7 | U |
| 75-25-2----- | Bromoform | 7 | U |
| 98-82-8----- | Isopropyl Benzene | 7 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 7 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 0.5 | J |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.5 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 0.3 | J |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 7 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 7 | U |
| 1330-20-7----- | Xylene (total) | 7 | J |
| 79-20-9----- | Methyl acetate | 7 | U |
| 110-82-7----- | Cyclohexane | 7 | U |
| 108-87-2----- | Methylcyclohexane | 7 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-2

Sample wt/vol: 4.06(g/mL) G

Lab File ID: Q2812-2A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 8

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | | |
|------------|------------------------------|-----|----|---|
| 75-71-8 | Dichlorodifluoromethane | 7 | U | |
| 74-87-3 | Chloromethane | 7 | U | |
| 75-01-4 | Vinyl Chloride | 7 | U | |
| 74-83-9 | Bromomethane | 7 | U | |
| 75-00-3 | Chloroethane | 7 | U | |
| 75-69-4 | Trichlorofluoromethane | 2 | JB | B |
| 75-35-4 | 1,1-Dichloroethene | 7 | U | |
| 75-15-0 | Carbon disulfide | 0.8 | JB | B |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 1 | J | |
| 67-64-1 | Acetone | 14 | JB | B |
| 75-09-2 | Methylene Chloride | 6 | JB | B |
| 156-60-5 | trans-1,2-Dichloroethene | 0.7 | JB | B |
| 1634-04-4 | Methyl-tert-butyl ether | 7 | U | |
| 75-34-3 | 1,1-Dichloroethane | 7 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 7 | U | |
| 78-93-3 | 2-butanone | 17 | U | |
| 67-66-3 | Chloroform | 7 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 7 | U | |
| 56-23-5 | Carbon Tetrachloride | 7 | U | |
| 71-43-2 | Benzene | 7 | U | |
| 107-06-2 | 1,2-Dichloroethane | 7 | U | |
| 79-01-6 | Trichloroethene | 1 | JB | B |
| 78-87-5 | 1,2-Dichloropropane | 7 | U | |
| 75-27-4 | Bromodichloromethane | 7 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 7 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 7 | J | |
| 108-88-3 | Toluene | 3 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 7 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 7 | U | |
| 127-18-4 | Tetrachloroethene | 2 | JB | B |
| 591-78-6 | 2-hexanone | 17 | U | |
| 124-48-1 | Dibromochloromethane | 7 | U | |
| 106-93-4 | 1,2-Dibromoethane | 7 | U | |

FORM I VOA

3/24/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-2

Sample wt/vol: 4.06(g/mL) G

Lab File ID: Q2812-2A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 8

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 0.5 | J |
| 100-41-4----- | Ethylbenzene | 0.5 | J |
| 100-42-5----- | Styrene | 7 | U |
| 75-25-2----- | Bromoform | 7 | U |
| 98-82-8----- | Isopropyl Benzene | 7 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 7 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 7 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.4 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 7 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 7 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 7 | U |
| 1330-20-7----- | Xylene (total) | 5 | J |
| 79-20-9----- | Methyl acetate | 7 | U |
| 110-82-7----- | Cyclohexane | 7 | U |
| 108-87-2----- | Methylcyclohexane | 7 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-3

Sample wt/vol: 4.86(g/mL) G

Lab File ID: Q2812-3A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 20

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|------------|------------------------------|-----|----|---|
| 75-71-8 | Dichlorodifluoromethane | 0.6 | J | |
| 74-87-3 | Chloromethane | 6 | U | |
| 75-01-4 | Vinyl Chloride | 6 | U | |
| 74-83-9 | Bromomethane | 6 | U | |
| 75-00-3 | Chloroethane | 6 | U | |
| 75-69-4 | Trichlorofluoromethane | 2 | JB | B |
| 75-35-4 | 1,1-Dichloroethene | 6 | U | |
| 75-15-0 | Carbon disulfide | 0.9 | JB | B |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 2 | J | B |
| 67-64-1 | Acetone | 19 | B | B |
| 75-09-2 | Methylene Chloride | 7 | B | B |
| 156-60-5 | trans-1,2-Dichloroethene | 0.8 | JB | B |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U | |
| 75-34-3 | 1,1-Dichloroethane | 6 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U | |
| 78-93-3 | 2-butanone | 16 | U | |
| 67-66-3 | Chloroform | 6 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U | |
| 56-23-5 | Carbon Tetrachloride | 6 | U | |
| 71-43-2 | Benzene | 6 | U | |
| 107-06-2 | 1,2-Dichloroethane | 6 | U | |
| 79-01-6 | Trichloroethene | 0.7 | JB | B |
| 78-87-5 | 1,2-Dichloropropane | 6 | U | |
| 75-27-4 | Bromodichloromethane | 6 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | J | |
| 108-88-3 | Toluene | 3 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U | |
| 127-18-4 | Tetrachloroethene | 5 | JB | |
| 591-78-6 | 2-hexanone | 16 | U | |
| 124-48-1 | Dibromochloromethane | 6 | U | |
| 106-93-4 | 1,2-Dibromoethane | 6 | U | |

FORM I VOA

3/24/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-3

Sample wt/vol: 4.86(g/mL) G

Lab File ID: Q2812-3A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 20

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 0.5 | J |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.3 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 5 | J |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-4

Sample wt/vol: 4.09 (g/mL) G

Lab File ID: Q2812-4RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 4

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|------------|------------------------------|-----|----|---|
| 75-71-8 | Dichlorodifluoromethane | 0.6 | JB | B |
| 74-87-3 | Chloromethane | 6 | U | |
| 75-01-4 | Vinyl Chloride | 6 | U | |
| 74-83-9 | Bromomethane | 6 | U | |
| 75-00-3 | Chloroethane | 6 | U | |
| 75-69-4 | Trichlorofluoromethane | 6 | U | |
| 75-35-4 | 1,1-Dichloroethene | 6 | U | |
| 75-15-0 | Carbon disulfide | 6 | U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 2 | JB | B |
| 67-64-1 | Acetone | 15 | J | |
| 75-09-2 | Methylene Chloride | 5 | JB | B |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U | |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U | |
| 75-34-3 | 1,1-Dichloroethane | 6 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U | |
| 78-93-3 | 2-butanone | 16 | U | |
| 67-66-3 | Chloroform | 6 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U | |
| 56-23-5 | Carbon Tetrachloride | 6 | U | |
| 71-43-2 | Benzene | 6 | U | |
| 107-06-2 | 1,2-Dichloroethane | 6 | U | |
| 79-01-6 | Trichloroethene | 6 | U | |
| 78-87-5 | 1,2-Dichloropropane | 6 | U | |
| 75-27-4 | Bromodichloromethane | 6 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 16 | U | |
| 108-88-3 | Toluene | 2 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U | |
| 127-18-4 | Tetrachloroethene | 29 | | |
| 591-78-6 | 2-hexanone | 16 | U | |
| 124-48-1 | Dibromochloromethane | 6 | U | |
| 106-93-4 | 1,2-Dibromoethane | 6 | U | |

FORM I VOA

3/24/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-4

Sample wt/vol: 4.09 (g/mL) G

Lab File ID: Q2812-4RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 4

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (ul

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|----------------------------------|---|---|
| 108-90-7 | -----Chlorobenzene | 6 | U |
| 100-41-4 | -----Ethylbenzene | 6 | U |
| 100-42-5 | -----Styrene | 6 | U |
| 75-25-2 | -----Bromoform | 6 | U |
| 98-82-8 | -----Isopropyl Benzene | 6 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1 | -----1,3-Dichlorobenzene | 6 | U |
| 106-46-7 | -----1,4-Dichlorobenzene | 6 | U |
| 95-50-1 | -----1,2-Dichlorobenzene | 6 | U |
| 96-12-8 | -----1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1 | -----1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7 | -----Xylene (total) | 1 | J |
| 79-20-9 | -----Methyl acetate | 6 | U |
| 110-82-7 | -----Cyclohexane | 6 | U |
| 108-87-2 | -----Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-5

Sample wt/vol: 4.55 (g/mL) G

Lab File ID: Q2812-5A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 13

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|------------------------------|---|---|
| 75-71-8 | Dichlorodifluoromethane | 6 U | |
| 74-87-3 | Chloromethane | 6 U | |
| 75-01-4 | Vinyl Chloride | 6 U | |
| 74-83-9 | Bromomethane | 6 U | |
| 75-00-3 | Chloroethane | 6 U | |
| 75-69-4 | Trichlorofluoromethane | 2 JB | B |
| 75-35-4 | 1,1-Dichloroethene | 6 U | |
| 75-15-0 | Carbon disulfide | 6 U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 2 J | |
| 67-64-1 | Acetone | 14 JB | B |
| 75-09-2 | Methylene Chloride | 8 B | ↓ |
| 156-60-5 | trans-1,2-Dichloroethene | 0.8 JB | |
| 1634-04-4 | Methyl-tert-butyl ether | 6 U | |
| 75-34-3 | 1,1-Dichloroethane | 6 U | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 U | |
| 78-93-3 | 2-butanone | 16 U | |
| 67-66-3 | Chloroform | 6 U | |
| 71-55-6 | 1,1,1-Trichloroethane | 6 U | |
| 56-23-5 | Carbon Tetrachloride | 6 U | |
| 71-43-2 | Benzene | 6 U | |
| 107-06-2 | 1,2-Dichloroethane | 6 U | |
| 79-01-6 | Trichloroethene | 0.7 JB | B |
| 78-87-5 | 1,2-Dichloropropane | 6 U | |
| 75-27-4 | Bromodichloromethane | 6 U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 U | |
| 108-10-1 | 4-Methyl-2-pentanone | 14 J | |
| 108-88-3 | Toluene | 4 JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 U | |
| 79-00-5 | 1,1,2-Trichloroethane | 6 U | |
| 127-18-4 | Tetrachloroethene | 6 U | |
| 591-78-6 | 2-hexanone | 16 U | |
| 124-48-1 | Dibromochloromethane | 6 U | |
| 106-93-4 | 1,2-Dibromoethane | 6 U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-5

Sample wt/vol: 4.55(g/mL) G

Lab File ID: Q2812-5A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 13

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 0.5 | J |
| 100-41-4----- | Ethylbenzene | 0.7 | J |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.4 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 6 | J |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-6

Sample wt/vol: 5.07(g/mL) G

Lab File ID: Q2812-6A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 12

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|------------|------------------------------|-----|----|---|
| 75-71-8 | Dichlorodifluoromethane | 6 | U | |
| 74-87-3 | Chloromethane | 6 | U | |
| 75-01-4 | Vinyl Chloride | 6 | U | |
| 74-83-9 | Bromomethane | 6 | U | |
| 75-00-3 | Chloroethane | 6 | U | |
| 75-69-4 | Trichlorofluoromethane | 2 | JB | B |
| 75-35-4 | 1,1-Dichloroethene | 6 | U | |
| 75-15-0 | Carbon disulfide | 0.9 | JB | B |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 1 | J | |
| 67-64-1 | Acetone | 28 | B | B |
| 75-09-2 | Methylene Chloride | 7 | B | ↓ |
| 156-60-5 | trans-1,2-Dichloroethene | 0.7 | JB | |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U | |
| 75-34-3 | 1,1-Dichloroethane | 6 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U | |
| 78-93-3 | 2-butanone | 14 | U | |
| 67-66-3 | Chloroform | 6 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U | |
| 56-23-5 | Carbon Tetrachloride | 6 | U | |
| 71-43-2 | Benzene | 6 | U | |
| 107-06-2 | 1,2-Dichloroethane | 6 | U | |
| 79-01-6 | Trichloroethene | 0.7 | JB | B |
| 78-87-5 | 1,2-Dichloropropane | 6 | U | |
| 75-27-4 | Bromodichloromethane | 6 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 8 | J | |
| 108-88-3 | Toluene | 3 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U | |
| 127-18-4 | Tetrachloroethene | 3 | JB | B |
| 591-78-6 | 2-hexanone | 14 | U | |
| 124-48-1 | Dibromochloromethane | 6 | U | |
| 106-93-4 | 1,2-Dibromoethane | 6 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-6

Sample wt/vol: 5.07(g/mL) G

Lab File ID: Q2812-6A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 12

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 0.5 | J |
| 100-41-4----- | Ethylbenzene | 0.6 | J |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.3 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 5 | J |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-11

Sample wt/vol: 3.24 (g/mL) G

Lab File ID: Q2812-11A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 11

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|-----------------|------------------------------|-----|----|----|
| 75-71-8----- | Dichlorodifluoromethane | 9 | U | uS |
| 74-87-3----- | Chloromethane | 9 | U | |
| 75-01-4----- | Vinyl Chloride | 9 | U | |
| 74-83-9----- | Bromomethane | 9 | U | |
| 75-00-3----- | Chloroethane | 9 | U | |
| 75-69-4----- | Trichlorofluoromethane | 3 | JB | |
| 75-35-4----- | 1,1-Dichloroethene | 9 | U | |
| 75-15-0----- | Carbon disulfide | 1 | JB | |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 2 | J | |
| 67-64-1----- | Acetone | 57 | B | |
| 75-09-2----- | Methylene Chloride | 10 | B | |
| 156-60-5----- | trans-1,2-Dichloroethene | 1 | JB | |
| 1634-04-4----- | Methyl-tert-butyl ether | 9 | U | |
| 75-34-3----- | 1,1-Dichloroethane | 9 | U | |
| 156-59-2----- | cis-1,2-Dichloroethene | 9 | U | |
| 78-93-3----- | 2-butanone | 5 | J | |
| 67-66-3----- | Chloroform | 9 | U | |
| 71-55-6----- | 1,1,1-Trichloroethane | 9 | U | |
| 56-23-5----- | Carbon Tetrachloride | 9 | U | |
| 71-43-2----- | Benzene | 9 | U | |
| 107-06-2----- | 1,2-Dichloroethane | 3 | J | |
| 79-01-6----- | Trichloroethene | 1 | JB | |
| 78-87-5----- | 1,2-Dichloropropane | 9 | U | |
| 75-27-4----- | Bromodichloromethane | 9 | U | |
| 10061-01-5----- | cis-1,3-Dichloropropene | 9 | U | |
| 108-10-1----- | 4-Methyl-2-pentanone | 11 | J | |
| 108-88-3----- | Toluene | 4 | JB | |
| 10061-02-6----- | trans-1,3-Dichloropropene | 9 | U | |
| 79-00-5----- | 1,1,2-Trichloroethane | 9 | U | |
| 127-18-4----- | Tetrachloroethene | 9 | U | |
| 591-78-6----- | 2-hexanone | 230 | | |
| 124-48-1----- | Dibromochloromethane | 9 | U | |
| 106-93-4----- | 1,2-Dibromoethane | 9 | U | |

FORM I VOA

3/24/03
2

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-11

Sample wt/vol: 3.24(g/mL) G

Lab File ID: Q2812-11A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 11

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|----------------|-----------------------------|-----|---|----|
| 108-90-7----- | Chlorobenzene | 9 | U | uJ |
| 100-41-4----- | Ethylbenzene | 0.7 | J | J |
| 100-42-5----- | Styrene | 9 | U | uJ |
| 75-25-2----- | Bromoform | 9 | U | |
| 98-82-8----- | Isopropyl Benzene | 9 | U | |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 9 | U | |
| 541-73-1----- | 1,3-Dichlorobenzene | 9 | U | |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.4 | J | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 9 | U | uJ |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 9 | U | |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 9 | U | |
| 1330-20-7----- | Xylene (total) | 6 | J | J |
| 79-20-9----- | Methyl acetate | 69 | | J |
| 110-82-7----- | Cyclohexane | 9 | U | uJ |
| 108-87-2----- | Methylcyclohexane | 9 | U | |

3/24/03

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-12

Sample wt/vol: 4.86(g/mL) G

Lab File ID: Q2812-12RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 13

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|------------------------------|---|---|
| 75-71-8 | Dichlorodifluoromethane | 6 U | |
| 74-87-3 | Chloromethane | 6 U | |
| 75-01-4 | Vinyl Chloride | 6 U | |
| 74-83-9 | Bromomethane | 6 U | |
| 75-00-3 | Chloroethane | 6 U | |
| 75-69-4 | Trichlorofluoromethane | 0.6 J | |
| 75-35-4 | 1,1-Dichloroethene | 6 U | |
| 75-15-0 | Carbon disulfide | 2 J | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 1 JB | B |
| 67-64-1 | Acetone | 17 | |
| 75-09-2 | Methylene Chloride | 7 B | B |
| 156-60-5 | trans-1,2-Dichloroethene | 6 U | |
| 1634-04-4 | Methyl-tert-butyl ether | 6 U | |
| 75-34-3 | 1,1-Dichloroethane | 6 U | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 U | |
| 78-93-3 | 2-butanone | 15 U | |
| 67-66-3 | Chloroform | 6 U | |
| 71-55-6 | 1,1,1-Trichloroethane | 6 U | |
| 56-23-5 | Carbon Tetrachloride | 6 U | |
| 71-43-2 | Benzene | 6 U | |
| 107-06-2 | 1,2-Dichloroethane | 6 U | |
| 79-01-6 | Trichloroethene | 6 U | |
| 78-87-5 | 1,2-Dichloropropane | 6 U | |
| 75-27-4 | Bromodichloromethane | 6 U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 U | |
| 108-10-1 | 4-Methyl-2-pentanone | 15 U | |
| 108-88-3 | Toluene | 2 JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 U | |
| 79-00-5 | 1,1,2-Trichloroethane | 6 U | |
| 127-18-4 | Tetrachloroethene | 6 U | |
| 591-78-6 | 2-hexanone | 15 U | |
| 124-48-1 | Dibromochloromethane | 6 U | |
| 106-93-4 | 1,2-Dibromoethane | 6 U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-12

Sample wt/vol: 4.86(g/mL) G

Lab File ID: Q2812-12RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 13

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|----|---|
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 98-82-8 | Isopropyl Benzene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7 | Xylene (total) | 18 | U |
| 79-20-9 | Methyl acetate | 6 | U |
| 110-82-7 | Cyclohexane | 6 | U |
| 108-87-2 | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10D-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-13

Sample wt/vol: 4.48(g/mL) G

Lab File ID: Q2812-13RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 15

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|-----------------|------------------------------|-----|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 7 | U | |
| 74-87-3----- | Chloromethane | 7 | U | |
| 75-01-4----- | Vinyl Chloride | 7 | U | |
| 74-83-9----- | Bromomethane | 7 | U | |
| 75-00-3----- | Chloroethane | 7 | U | |
| 75-69-4----- | Trichlorofluoromethane | 0.8 | J | |
| 75-35-4----- | 1,1-Dichloroethene | 7 | U | |
| 75-15-0----- | Carbon disulfide | 2 | J | |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 1 | JB | B |
| 67-64-1----- | Acetone | 18 | | |
| 75-09-2----- | Methylene Chloride | 7 | B | B |
| 156-60-5----- | trans-1,2-Dichloroethene | 7 | U | |
| 1634-04-4----- | Methyl-tert-butyl ether | 7 | U | |
| 75-34-3----- | 1,1-Dichloroethane | 7 | U | |
| 156-59-2----- | cis-1,2-Dichloroethene | 7 | U | |
| 78-93-3----- | 2-butanone | 16 | U | |
| 67-66-3----- | Chloroform | 7 | U | |
| 71-55-6----- | 1,1,1-Trichloroethane | 7 | U | |
| 56-23-5----- | Carbon Tetrachloride | 7 | U | |
| 71-43-2----- | Benzene | 7 | U | |
| 107-06-2----- | 1,2-Dichloroethane | 7 | U | |
| 79-01-6----- | Trichloroethene | 7 | U | |
| 78-87-5----- | 1,2-Dichloropropane | 7 | U | |
| 75-27-4----- | Bromodichloromethane | 7 | U | |
| 10061-01-5----- | cis-1,3-Dichloropropene | 7 | U | |
| 108-10-1----- | 4-Methyl-2-pentanone | 5 | J | |
| 108-88-3----- | Toluene | 3 | JB | B |
| 10061-02-6----- | trans-1,3-Dichloropropene | 7 | U | |
| 79-00-5----- | 1,1,2-Trichloroethane | 7 | U | |
| 127-18-4----- | Tetrachloroethene | 7 | U | |
| 591-78-6----- | 2-hexanone | 16 | U | |
| 124-48-1----- | Dibromochloromethane | 7 | U | |
| 106-93-4----- | 1,2-Dibromoethane | 7 | U | |

FORM 1 VOA

sp4/03
2

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10D-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-13

Sample wt/vol: 4.48(g/mL) G

Lab File ID: Q2812-13RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 15

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|---|---|
| 108-90-7 | Chlorobenzene | 7 | U |
| 100-41-4 | Ethylbenzene | 7 | U |
| 100-42-5 | Styrene | 7 | U |
| 75-25-2 | Bromoform | 7 | U |
| 98-82-8 | Isopropyl Benzene | 7 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 7 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 7 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 7 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 7 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 7 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 7 | U |
| 1330-20-7 | Xylene (total) | 2 | J |
| 79-20-9 | Methyl acetate | 7 | U |
| 110-82-7 | Cyclohexane | 7 | U |
| 108-87-2 | Methylcyclohexane | 7 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-7

Sample wt/vol: 4.02 (g/mL) G

Lab File ID: Q2812-7RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 4

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|------------|------------------------------|----|----|---|
| 75-71-8 | Dichlorodifluoromethane | 6 | U | |
| 74-87-3 | Chloromethane | 6 | U | |
| 75-01-4 | Vinyl Chloride | 6 | U | |
| 74-83-9 | Bromomethane | 6 | U | |
| 75-00-3 | Chloroethane | 6 | U | |
| 75-69-4 | Trichlorofluoromethane | 6 | U | |
| 75-35-4 | 1,1-Dichloroethene | 6 | U | |
| 75-15-0 | Carbon disulfide | 1 | J | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 1 | JB | B |
| 67-64-1 | Acetone | 25 | | |
| 75-09-2 | Methylene Chloride | 7 | B | B |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U | |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U | |
| 75-34-3 | 1,1-Dichloroethane | 6 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U | |
| 78-93-3 | 2-butanone | 16 | U | |
| 67-66-3 | Chloroform | 6 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U | |
| 56-23-5 | Carbon Tetrachloride | 6 | U | |
| 71-43-2 | Benzene | 6 | U | |
| 107-06-2 | 1,2-Dichloroethane | 6 | U | |
| 79-01-6 | Trichloroethene | 6 | U | |
| 78-87-5 | 1,2-Dichloropropane | 6 | U | |
| 75-27-4 | Bromodichloromethane | 6 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 16 | U | |
| 108-88-3 | Toluene | 2 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U | |
| 127-18-4 | Tetrachloroethene | 6 | U | |
| 591-78-6 | 2-hexanone | 16 | U | |
| 124-48-1 | Dibromochloromethane | 6 | U | |
| 106-93-4 | 1,2-Dibromoethane | 6 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-7

Sample wt/vol: 4.02(g/mL) G

Lab File ID: Q2812-7RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 4

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 6 | U |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 1 | J |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-8

Sample wt/vol: 4.66(g/mL) G

Lab File ID: Q2812-8RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 15

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|------------|------------------------------|-----|----|---|
| 75-71-8 | Dichlorodifluoromethane | 0.6 | JB | B |
| 74-87-3 | Chloromethane | 6 | U | |
| 75-01-4 | Vinyl Chloride | 6 | U | |
| 74-83-9 | Bromomethane | 6 | U | |
| 75-00-3 | Chloroethane | 6 | U | |
| 75-69-4 | Trichlorofluoromethane | 6 | U | |
| 75-35-4 | 1,1-Dichloroethene | 6 | U | |
| 75-15-0 | Carbon disulfide | 6 | U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 1 | JB | B |
| 67-64-1 | Acetone | 15 | J | B |
| 75-09-2 | Methylene Chloride | 7 | B | B |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U | |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U | |
| 75-34-3 | 1,1-Dichloroethane | 6 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U | |
| 78-93-3 | 2-butanone | 16 | U | |
| 67-66-3 | Chloroform | 6 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U | |
| 56-23-5 | Carbon Tetrachloride | 6 | U | |
| 71-43-2 | Benzene | 6 | U | |
| 107-06-2 | 1,2-Dichloroethane | 6 | U | |
| 79-01-6 | Trichloroethene | 6 | U | |
| 78-87-5 | 1,2-Dichloropropane | 6 | U | |
| 75-27-4 | Bromodichloromethane | 6 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 16 | U | |
| 108-88-3 | Toluene | 3 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U | |
| 127-18-4 | Tetrachloroethene | 6 | U | |
| 591-78-6 | 2-hexanone | 16 | U | |
| 124-48-1 | Dibromochloromethane | 6 | U | |
| 106-93-4 | 1,2-Dibromoethane | 6 | U | |

FORM I VOA

8/24/03
2

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-8

Sample wt/vol: 4.66(g/mL) G

Lab File ID: Q2812-8RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 15

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 6 | U |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 1 | J |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-9

Sample wt/vol: 4.05(g/mL) G

Lab File ID: Q2812-9RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 3

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|-----------------|------------------------------|----|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 6 | U | |
| 74-87-3----- | Chloromethane | 6 | U | |
| 75-01-4----- | Vinyl Chloride | 6 | U | |
| 74-83-9----- | Bromomethane | 6 | U | |
| 75-00-3----- | Chloroethane | 6 | U | |
| 75-69-4----- | Trichlorofluoromethane | 6 | U | |
| 75-35-4----- | 1,1-Dichloroethene | 6 | U | |
| 75-15-0----- | Carbon disulfide | 6 | U | |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 1 | JB | B |
| 67-64-1----- | Acetone | 17 | | |
| 75-09-2----- | Methylene Chloride | 7 | B | B |
| 156-60-5----- | trans-1,2-Dichloroethene | 6 | U | |
| 1634-04-4----- | Methyl-tert-butyl ether | 6 | U | |
| 75-34-3----- | 1,1-Dichloroethane | 6 | U | |
| 156-59-2----- | cis-1,2-Dichloroethene | 6 | U | |
| 78-93-3----- | 2-butanone | 16 | U | |
| 67-66-3----- | Chloroform | 6 | U | |
| 71-55-6----- | 1,1,1-Trichloroethane | 6 | U | |
| 56-23-5----- | Carbon Tetrachloride | 6 | U | |
| 71-43-2----- | Benzene | 6 | U | |
| 107-06-2----- | 1,2-Dichloroethane | 6 | U | |
| 79-01-6----- | Trichloroethene | 6 | U | |
| 78-87-5----- | 1,2-Dichloropropane | 6 | U | |
| 75-27-4----- | Bromodichloromethane | 6 | U | |
| 10061-01-5----- | cis-1,3-Dichloropropene | 6 | U | |
| 108-10-1----- | 4-Methyl-2-pentanone | 16 | U | |
| 108-88-3----- | Toluene | 2 | JB | B |
| 10061-02-6----- | trans-1,3-Dichloropropene | 6 | U | |
| 79-00-5----- | 1,1,2-Trichloroethane | 6 | U | |
| 127-18-4----- | Tetrachloroethene | 6 | U | |
| 591-78-6----- | 2-hexanone | 16 | U | |
| 124-48-1----- | Dibromochloromethane | 6 | U | |
| 106-93-4----- | 1,2-Dibromoethane | 6 | U | |

FORM I VOA

2/4/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-9

Sample wt/vol: 4.05(g/mL) G

Lab File ID: Q2812-9RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 3

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|----|---|
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 98-82-8 | Isopropyl Benzene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7 | Xylene (total) | 19 | U |
| 79-20-9 | Methyl acetate | 6 | U |
| 110-82-7 | Cyclohexane | 6 | U |
| 108-87-2 | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 4.96 (g/mL) G

Lab File ID: Q2812-10A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 14

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|------------|------------------------------|-----|----|----|
| 75-71-8 | Dichlorodifluoromethane | 0.6 | J | |
| 74-87-3 | Chloromethane | 6 | U | |
| 75-01-4 | Vinyl Chloride | 6 | U | |
| 74-83-9 | Bromomethane | 6 | U | |
| 75-00-3 | Chloroethane | 6 | U | |
| 75-69-4 | Trichlorofluoromethane | 2 | JB | B |
| 75-35-4 | 1,1-Dichloroethene | 6 | U | |
| 75-15-0 | Carbon disulfide | 6 | U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 2 | J | |
| 67-64-1 | Acetone | 16 | B | B |
| 75-09-2 | Methylene Chloride | 8 | B | B |
| 156-60-5 | trans-1,2-Dichloroethene | 0.9 | JB | B |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U | |
| 75-34-3 | 1,1-Dichloroethane | 6 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U | |
| 78-93-3 | 2-butanone | 15 | U | |
| 67-66-3 | Chloroform | 6 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U | |
| 56-23-5 | Carbon Tetrachloride | 6 | U | |
| 71-43-2 | Benzene | 6 | U | |
| 107-06-2 | 1,2-Dichloroethane | 6 | U | |
| 79-01-6 | Trichloroethene | 0.5 | JB | B |
| 78-87-5 | 1,2-Dichloropropane | 6 | U | |
| 75-27-4 | Bromodichloromethane | 6 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 16 | | |
| 108-88-3 | Toluene | 3 | JB | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U | u5 |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U | + |
| 127-18-4 | Tetrachloroethene | 2 | JB | B |
| 591-78-6 | 2-hexanone | 15 | U | u5 |
| 124-48-1 | Dibromochloromethane | 6 | U | + |
| 106-93-4 | 1,2-Dibromoethane | 6 | U | |

FORM I VOA

3/24/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 4.96(g/mL) G

Lab File ID: Q2812-10A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 14

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|-----|---|
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 0.6 | J |
| 100-42-5 | Styrene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 98-82-8 | Isopropyl Benzene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7 | Xylene (total) | 7 | J |
| 79-20-9 | Methyl acetate | 6 | U |
| 110-82-7 | Cyclohexane | 6 | U |
| 108-87-2 | Methylcyclohexane | 6 | U |

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J
uJ
↓
J
uJ
↓

3/24/03

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-4RE

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 4.66(g/mL) G

Lab File ID: Q2812-10RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 14

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|------------------------------|---|----|
| 75-71-8 | Dichlorodifluoromethane | 6 | U |
| 74-87-3 | Chloromethane | 6 | U |
| 75-01-4 | Vinyl Chloride | 6 | U |
| 74-83-9 | Bromomethane | 6 | U |
| 75-00-3 | Chloroethane | 6 | U |
| 75-69-4 | Trichlorofluoromethane | 0.7 | J |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-15-0 | Carbon disulfide | 6 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 1 | JB |
| 67-64-1 | Acetone | 22 | |
| 75-09-2 | Methylene Chloride | 8 | B |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3 | 2-butanone | 16 | U |
| 67-66-3 | Chloroform | 6 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 16 | U |
| 108-88-3 | Toluene | 2 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4 | Tetrachloroethene | 6 | U |
| 591-78-6 | 2-hexanone | 16 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 106-93-4 | 1,2-Dibromoethane | 6 | U |

FORM 1 VOA

3/24/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-4RE

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 4.66(g/mL) G

Lab File ID: Q2812-10RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 14

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|---|---|
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 98-82-8 | Isopropyl Benzene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7 | Xylene (total) | 1 | J |
| 79-20-9 | Methyl acetate | 6 | U |
| 110-82-7 | Cyclohexane | 6 | U |
| 108-87-2 | Methylcyclohexane | 6 | U |

3/24/03
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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-MW09-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-14

Sample wt/vol: 4.31 (g/mL) G

Lab File ID: Q2812-14A52

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. 8

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

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| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|----|
| 1. 66-25-1 | HEXANAL | 13.31 | 18.20 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-MW09-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-15

Sample wt/vol: 4.66 (g/mL) G

Lab File ID: Q2812-15A52

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. 7

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
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| 19. | | | | |
| 20. | | | | |
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| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-MW09-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-16

Sample wt/vol: 4.33 (g/mL) G

Lab File ID: Q2812-16B52

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. 9

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
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| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW07-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-1

Sample wt/vol: 4.02 (g/mL) G

Lab File ID: Q2812-1A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 5

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW07-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-2

Sample wt/vol: 4.06 (g/mL) G

Lab File ID: Q2812-2A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 8

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW07-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-3

Sample wt/vol: 4.86 (g/mL) G

Lab File ID: Q2812-3A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 20

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW08-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-4

Sample wt/vol: 4.09 (g/mL) G

Lab File ID: Q2812-4RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 4

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/24/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|---------------|------|------------|----|
| 1. 115-07-1 | PROPENE | 2.59 | 7.24 | NJ |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW08-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-5

Sample wt/vol: 4.55 (g/mL) G

Lab File ID: Q2812-5A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 13

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW08-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-6

Sample wt/vol: 5.07 (g/mL) G

Lab File ID: Q2812-6A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 12

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/24/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|---|
| 1. | UNKNOWN | 2.59 | 12.01 | J |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW10-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-11

Sample wt/vol: 3.24 (g/mL) G

Lab File ID: Q2812-11A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 11

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/2/3

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|---------------|------|------------|----|
| 1. 110-62-3 | PENTANAL | 9.61 | 19.34 | NJ |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW10-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-12

Sample wt/vol: 4.86 (g/mL) G

Lab File ID: Q2812-12RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 13

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/11/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-----------------|-------|------------|---|
| 1. | BRANCHED ALKANE | 15.58 | 16.58 | J |
| 2. | BRANCHED ALKANE | 16.03 | 22.61 | J |
| 3. | UNKNOWN | 16.22 | 14.02 | J |
| 4. | UNKNOWN | 16.36 | 21.37 | J |
| 5. | UNKNOWN | 16.51 | 15.83 | J |
| 6. | BRANCHED ALKANE | 16.93 | 21.56 | J |
| 7. | UNKNOWN | 17.41 | 15.62 | J |
| 8. | UNKNOWN | 17.54 | 27.49 | J |
| 9. | UNKNOWN | 17.68 | 14.83 | J |
| 10. | UNKNOWN | 17.75 | 19.37 | J |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW10D-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-13

Sample wt/vol: 4.48 (g/mL) G

Lab File ID: Q2812-13RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 15

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-----------------|-------|------------|---|
| 1. | BRANCHED ALKANE | 15.58 | 33.19 | J |
| 2. | UNKNOWN | 16.03 | 42.29 | J |
| 3. | UNKNOWN | 16.23 | 36.35 | J |
| 4. | UNKNOWN | 16.36 | 36.37 | J |
| 5. | BRANCHED ALKANE | 16.41 | 33.46 | J |
| 6. | BRANCHED ALKANE | 16.93 | 39.04 | J |
| 7. | UNKNOWN | 17.08 | 37.76 | J |
| 8. | UNKNOWN | 17.42 | 32.63 | J |
| 9. | CYCLIC ALKANE | 17.54 | 49.00 | J |
| 10. | UNKNOWN | 17.99 | 31.17 | J |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW11-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-7

Sample wt/vol: 4.02 (g/mL) G

Lab File ID: Q2812-7RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 4

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW11-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-8

Sample wt/vol: 4.66 (g/mL) G

Lab File ID: Q2812-8RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 15

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW11D-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-9

Sample wt/vol: 4.05 (g/mL) G

Lab File ID: Q2812-9RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 3

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW11D-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 4.96 (g/mL) G

Lab File ID: Q2812-10A59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 14

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

9/24/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|--------------|
| 1. | LABORATORY ARTIFACT | 13.51 | 16.91 | J |
| 2. | LABORATORY ARTIFACT | 14.90 | 13.92 | J |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW11D-4RE

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 4.66 (g/mL) G

Lab File ID: Q2812-10BA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 14

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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FORM I VOA-TIC

3/24/03

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-14

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: Q2812-14A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 360 | U |
| 108-95-2----- | Phenol | 360 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 360 | U |
| 95-57-8----- | 2-Chlorophenol | 360 | U |
| 95-48-7----- | 2-Methylphenol | 360 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 98-86-2----- | Acetophenone | 360 | U |
| 106-44-5----- | 4-Methylphenol | 360 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 360 | U |
| 67-72-1----- | Hexachloroethane | 360 | U |
| 98-95-3----- | Nitrobenzene | 360 | U |
| 78-59-1----- | Isophorone | 360 | U |
| 88-75-5----- | 2-Nitrophenol | 360 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 360 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 360 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 360 | U |
| 91-20-3----- | Naphthalene | 360 | U |
| 106-47-8----- | 4-Chloroaniline | 360 | U |
| 87-68-3----- | Hexachlorobutadiene | 360 | U |
| 105-60-2----- | Caprolactam | 360 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 360 | U |
| 91-57-6----- | 2-Methylnaphthalene | 360 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 360 | U |
| 92-52-4----- | 1,1'-Biphenyl | 360 | U |
| 91-58-7----- | 2-Chloronaphthalene | 360 | U |
| 88-74-4----- | 2-Nitroaniline | 720 | U |
| 131-11-3----- | Dimethylphthalate | 360 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 360 | U |
| 208-96-8----- | Acenaphthylene | 360 | U |
| 99-09-2----- | 3-Nitroaniline | 720 | U |
| 83-32-9----- | Acenaphthene | 360 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-0

Lab Name: COMPUCHEM Method: 8270C
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2812
Matrix: (soil/water) SOIL Lab Sample ID: Q2812-14
Sample wt/vol: 15.0 (g/mL) G Lab File ID: Q2812-14A64
Level: (low/med) LOW Date Received: 12/11/02
% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/11/02
Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/18/02
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|------|---|
| 51-28-5 | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7 | 4-Nitrophenol | 720 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 360 | U |
| 132-64-9 | Dibenzofuran | 360 | U |
| 84-66-2 | Diethylphthalate | 360 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7 | Fluorene | 360 | U |
| 100-01-6 | 4-Nitroaniline | 720 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 720 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 360 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1 | Hexachlorobenzene | 360 | U |
| 1912-24-9 | Atrazine | 360 | U |
| 87-86-5 | Pentachlorophenol | 360 | U |
| 85-01-8 | Phenanthrene | 360 | U |
| 120-12-7 | Anthracene | 360 | U |
| 86-74-8 | Carbazole | 360 | U |
| 84-74-2 | Di-n-butylphthalate | 360 | U |
| 206-44-0 | Fluoranthene | 360 | U |
| 129-00-0 | Pyrene | 360 | U |
| 85-68-7 | Butylbenzylphthalate | 360 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 360 | U |
| 117-81-7 | bis(2-ethylhexyl) Phthalate | 40 | J |
| 56-55-3 | Benzo(a)anthracene | 360 | U |
| 218-01-9 | Chrysene | 360 | U |
| 117-84-0 | Di-n-octylphthalate | 360 | U |
| 205-99-2 | Benzo(b)fluoranthene | 360 | U |
| 207-08-9 | Benzo(k)fluoranthene | 360 | U |
| 50-32-8 | Benzo(a)pyrene | 360 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 360 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 360 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 360 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-15

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: Q2812-15A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 7 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 350 | U |
| 108-95-2----- | Phenol | 350 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 350 | U |
| 95-57-8----- | 2-Chlorophenol | 350 | U |
| 95-48-7----- | 2-Methylphenol | 350 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 98-86-2----- | Acetophenone | 350 | U |
| 106-44-5----- | 4-Methylphenol | 350 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 350 | U |
| 67-72-1----- | Hexachloroethane | 350 | U |
| 98-95-3----- | Nitrobenzene | 350 | U |
| 78-59-1----- | Isophorone | 350 | U |
| 88-75-5----- | 2-Nitrophenol | 350 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 350 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 350 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 350 | U |
| 91-20-3----- | Naphthalene | 350 | U |
| 106-47-8----- | 4-Chloroaniline | 350 | U |
| 87-68-3----- | Hexachlorobutadiene | 350 | U |
| 105-60-2----- | Caprolactam | 350 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 350 | U |
| 91-57-6----- | 2-Methylnaphthalene | 350 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 350 | U |
| 92-52-4----- | 1,1'-Biphenyl | 350 | U |
| 91-58-7----- | 2-Chloronaphthalene | 350 | U |
| 88-74-4----- | 2-Nitroaniline | 710 | U |
| 131-11-3----- | Dimethylphthalate | 350 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 350 | U |
| 208-96-8----- | Acenaphthylene | 350 | U |
| 99-09-2----- | 3-Nitroaniline | 710 | U |
| 83-32-9----- | Acenaphthene | 350 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-15

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: Q2812-15A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 7 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 710 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 132-64-9----- | Dibenzofuran | 350 | U |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 350 | U |
| 100-01-6----- | 4-Nitroaniline | 710 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 710 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 1912-24-9----- | Atrazine | 350 | U |
| 87-86-5----- | Pentachlorophenol | 350 | U |
| 85-01-8----- | Phenanthrene | 350 | U |
| 120-12-7----- | Anthracene | 350 | U |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 350 | U |
| 129-00-0----- | Pyrene | 350 | U |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 350 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 110 | J |
| 56-55-3----- | Benzo(a)anthracene | 350 | U |
| 218-01-9----- | Chrysene | 350 | U |
| 117-84-0----- | Di-n-octylphthalate | 350 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 350 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 350 | U |
| 50-32-8----- | Benzo(a)pyrene | 350 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 350 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 350 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 350 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-16

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: Q2812-16A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 360 | U |
| 108-95-2 | Phenol | 360 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 360 | U |
| 95-57-8 | 2-Chlorophenol | 360 | U |
| 95-48-7 | 2-Methylphenol | 360 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 98-86-2 | Acetophenone | 360 | U |
| 106-44-5 | 4-Methylphenol | 360 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 360 | U |
| 67-72-1 | Hexachloroethane | 360 | U |
| 98-95-3 | Nitrobenzene | 360 | U |
| 78-59-1 | Isophorone | 360 | U |
| 88-75-5 | 2-Nitrophenol | 360 | U |
| 105-67-9 | 2,4-Dimethylphenol | 360 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 360 | U |
| 120-83-2 | 2,4-Dichlorophenol | 360 | U |
| 91-20-3 | Naphthalene | 360 | U |
| 106-47-8 | 4-Chloroaniline | 360 | U |
| 87-68-3 | Hexachlorobutadiene | 360 | U |
| 105-60-2 | Caprolactam | 360 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 360 | U |
| 91-57-6 | 2-Methylnaphthalene | 360 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 360 | U |
| 92-52-4 | 1,1'-Biphenyl | 360 | U |
| 91-58-7 | 2-Chloronaphthalene | 360 | U |
| 88-74-4 | 2-Nitroaniline | 730 | U |
| 131-11-3 | Dimethylphthalate | 360 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 360 | U |
| 208-96-8 | Acenaphthylene | 360 | U |
| 99-09-2 | 3-Nitroaniline | 730 | U |
| 83-32-9 | Acenaphthene | 360 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW09-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-16

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: Q2812-16A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 730 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U |
| 132-64-9----- | Dibenzofuran | 360 | U |
| 84-66-2----- | Diethylphthalate | 360 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7----- | Fluorene | 360 | U |
| 100-01-6----- | 4-Nitroaniline | 730 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 730 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 360 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1----- | Hexachlorobenzene | 360 | U |
| 1912-24-9----- | Atrazine | 360 | U |
| 87-86-5----- | Pentachlorophenol | 360 | U |
| 85-01-8----- | Phenanthrene | 360 | U |
| 120-12-7----- | Anthracene | 360 | U |
| 86-74-8----- | Carbazole | 360 | U |
| 84-74-2----- | Di-n-butylphthalate | 360 | U |
| 206-44-0----- | Fluoranthene | 360 | U |
| 129-00-0----- | Pyrene | 360 | U |
| 85-68-7----- | Butylbenzylphthalate | 360 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 360 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 880 | U |
| 56-55-3----- | Benzo(a)anthracene | 360 | U |
| 218-01-9----- | Chrysene | 360 | U |
| 117-84-0----- | Di-n-octylphthalate | 360 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 360 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 360 | U |
| 50-32-8----- | Benzo(a)pyrene | 360 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 360 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 360 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 360 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-1A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 350 | U |
| 108-95-2----- | Phenol | 350 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 350 | U |
| 95-57-8----- | 2-Chlorophenol | 350 | U |
| 95-48-7----- | 2-Methylphenol | 350 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 98-86-2----- | Acetophenone | 350 | U |
| 106-44-5----- | 4-Methylphenol | 350 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 350 | U |
| 67-72-1----- | Hexachloroethane | 350 | U |
| 98-95-3----- | Nitrobenzene | 350 | U |
| 78-59-1----- | Isophorone | 350 | U |
| 88-75-5----- | 2-Nitrophenol | 350 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 350 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 350 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 350 | U |
| 91-20-3----- | Naphthalene | 350 | U |
| 106-47-8----- | 4-Chloroaniline | 350 | U |
| 87-68-3----- | Hexachlorobutadiene | 350 | U |
| 105-60-2----- | Caprolactam | 350 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 350 | U |
| 91-57-6----- | 2-Methylnaphthalene | 350 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 350 | U |
| 92-52-4----- | 1,1'-Biphenyl | 350 | U |
| 91-58-7----- | 2-Chloronaphthalene | 350 | U |
| 88-74-4----- | 2-Nitroaniline | 690 | U |
| 131-11-3----- | Dimethylphthalate | 350 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 350 | U |
| 208-96-8----- | Acenaphthylene | 350 | U |
| 99-09-2----- | 3-Nitroaniline | 690 | U |
| 83-32-9----- | Acenaphthene | 350 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-1A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|----|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 690 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 132-64-9----- | Dibenzofuran | 350 | U |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 350 | U |
| 100-01-6----- | 4-Nitroaniline | 690 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 690 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 1912-24-9----- | Atrazine | 350 | U |
| 87-86-5----- | Pentachlorophenol | 350 | U |
| 85-01-8----- | Phenanthrene | 350 | U |
| 120-12-7----- | Anthracene | 350 | U |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 28 | JB |
| 129-00-0----- | Pyrene | 43 | JB |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 350 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 150 | J |
| 56-55-3----- | Benzo(a)anthracene | 350 | U |
| 218-01-9----- | Chrysene | 34 | JB |
| 117-84-0----- | Di-n-octylphthalate | 270 | J |
| 205-99-2----- | Benzo(b)fluoranthene | 350 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 36 | JB |
| 50-32-8----- | Benzo(a)pyrene | 28 | JB |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 29 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 350 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 27 | J |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-2A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 360 | U |
| 108-95-2----- | Phenol | 360 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 360 | U |
| 95-57-8----- | 2-Chlorophenol | 360 | U |
| 95-48-7----- | 2-Methylphenol | 360 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 98-86-2----- | Acetophenone | 360 | U |
| 106-44-5----- | 4-Methylphenol | 360 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 360 | U |
| 67-72-1----- | Hexachloroethane | 360 | U |
| 98-95-3----- | Nitrobenzene | 360 | U |
| 78-59-1----- | Isophorone | 360 | U |
| 88-75-5----- | 2-Nitrophenol | 360 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 360 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 360 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 360 | U |
| 91-20-3----- | Naphthalene | 360 | U |
| 106-47-8----- | 4-Chloroaniline | 360 | U |
| 87-68-3----- | Hexachlorobutadiene | 360 | U |
| 105-60-2----- | Caprolactam | 360 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 360 | U |
| 91-57-6----- | 2-Methylnaphthalene | 360 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 360 | U |
| 92-52-4----- | 1,1'-Biphenyl | 360 | U |
| 91-58-7----- | 2-Chloronaphthalene | 360 | U |
| 88-74-4----- | 2-Nitroaniline | 720 | U |
| 131-11-3----- | Dimethylphthalate | 360 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 360 | U |
| 208-96-8----- | Acenaphthylene | 54 | J |
| 99-09-2----- | 3-Nitroaniline | 720 | U |
| 83-32-9----- | Acenaphthene | 360 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-2A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|----------------|-----------------------------|------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U | |
| 100-02-7----- | 4-Nitrophenol | 720 | U | |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U | |
| 132-64-9----- | Dibenzofuran | 360 | U | |
| 84-66-2----- | Diethylphthalate | 360 | U | |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U | |
| 86-73-7----- | Fluorene | 36 | J | |
| 100-01-6----- | 4-Nitroaniline | 720 | U | |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 720 | U | |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 360 | U | |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U | |
| 118-74-1----- | Hexachlorobenzene | 360 | U | |
| 1912-24-9----- | Atrazine | 360 | U | |
| 87-86-5----- | Pentachlorophenol | 360 | U | |
| 85-01-8----- | Phenanthrene | 96 | JB | B |
| 120-12-7----- | Anthracene | 32 | J | |
| 86-74-8----- | Carbazole | 360 | U | |
| 84-74-2----- | Di-n-butylphthalate | 360 | U | |
| 206-44-0----- | Fluoranthene | 190 | JB | B |
| 129-00-0----- | Pyrene | 440 | B | B |
| 85-68-7----- | Butylbenzylphthalate | 360 | U | |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 360 | U | |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 340 | J | |
| 56-55-3----- | Benzo(a)anthracene | 140 | JB | B |
| 218-01-9----- | Chrysene | 170 | JB | B |
| 117-84-0----- | Di-n-octylphthalate | 360 | U | |
| 205-99-2----- | Benzo(b)fluoranthene | 150 | JB | B |
| 207-08-9----- | Benzo(k)fluoranthene | 190 | JB | |
| 50-32-8----- | Benzo(a)pyrene | 160 | JB | ↓ |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 94 | J | |
| 53-70-3----- | Dibenzo(a,h)anthracene | 30 | J | |
| 191-24-2----- | Benzo(g,h,i)perylene | 100 | J | |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-3A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 410 | U |
| 108-95-2----- | Phenol | 410 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 410 | U |
| 95-57-8----- | 2-Chlorophenol | 410 | U |
| 95-48-7----- | 2-Methylphenol | 410 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 410 | U |
| 98-86-2----- | Acetophenone | 410 | U |
| 106-44-5----- | 4-Methylphenol | 410 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 410 | U |
| 67-72-1----- | Hexachloroethane | 410 | U |
| 98-95-3----- | Nitrobenzene | 410 | U |
| 78-59-1----- | Isophorone | 410 | U |
| 88-75-5----- | 2-Nitrophenol | 410 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 410 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 410 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 410 | U |
| 91-20-3----- | Naphthalene | 410 | U |
| 106-47-8----- | 4-Chloroaniline | 410 | U |
| 87-68-3----- | Hexachlorobutadiene | 410 | U |
| 105-60-2----- | Caprolactam | 410 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 410 | U |
| 91-57-6----- | 2-Methylnaphthalene | 410 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 410 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 410 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 410 | U |
| 92-52-4----- | 1,1'-Biphenyl | 410 | U |
| 91-58-7----- | 2-Chloronaphthalene | 410 | U |
| 88-74-4----- | 2-Nitroaniline | 830 | U |
| 131-11-3----- | Dimethylphthalate | 410 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 410 | U |
| 208-96-8----- | Acenaphthylene | 410 | U |
| 99-09-2----- | 3-Nitroaniline | 830 | U |
| 83-32-9----- | Acenaphthene | 410 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW07-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-3A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 2100 | U |
| 100-02-7----- | 4-Nitrophenol | 830 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 410 | U |
| 132-64-9----- | Dibenzofuran | 410 | U |
| 84-66-2----- | Diethylphthalate | 410 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 410 | U |
| 86-73-7----- | Fluorene | 410 | U |
| 100-01-6----- | 4-Nitroaniline | 830 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 830 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 410 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 410 | U |
| 118-74-1----- | Hexachlorobenzene | 410 | U |
| 1912-24-9----- | Atrazine | 410 | U |
| 87-86-5----- | Pentachlorophenol | 410 | U |
| 85-01-8----- | Phenanthrene | 410 | U |
| 120-12-7----- | Anthracene | 410 | U |
| 86-74-8----- | Carbazole | 410 | U |
| 84-74-2----- | Di-n-butylphthalate | 410 | U |
| 206-44-0----- | Fluoranthene | 410 | U |
| 129-00-0----- | Pyrene | 410 | U |
| 85-68-7----- | Butylbenzylphthalate | 410 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 410 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 320 | J |
| 56-55-3----- | Benzo(a)anthracene | 410 | U |
| 218-01-9----- | Chrysene | 410 | U |
| 117-84-0----- | Di-n-octylphthalate | 42 | J |
| 205-99-2----- | Benzo(b)fluoranthene | 410 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 410 | U |
| 50-32-8----- | Benzo(a)pyrene | 410 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 410 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 410 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 410 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-4

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-4DA64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 6 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: ____

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 100-52-7----- | Benzaldehyde | 1100 | U |
| 108-95-2----- | Phenol | 1100 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 1100 | U |
| 95-57-8----- | 2-Chlorophenol | 1100 | U |
| 95-48-7----- | 2-Methylphenol | 1100 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 1100 | U |
| 98-86-2----- | Acetophenone | 1100 | U |
| 106-44-5----- | 4-Methylphenol | 1100 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 1100 | U |
| 67-72-1----- | Hexachloroethane | 1100 | U |
| 98-95-3----- | Nitrobenzene | 1100 | U |
| 78-59-1----- | Isophorone | 1100 | U |
| 88-75-5----- | 2-Nitrophenol | 1100 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 1100 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 1100 | U |
| 91-20-3----- | Naphthalene | 1200 | |
| 106-47-8----- | 4-Chloroaniline | 1100 | U |
| 87-68-3----- | Hexachlorobutadiene | 1100 | U |
| 105-60-2----- | Caprolactam | 1100 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6----- | 2-Methylnaphthalene | 2400 | |
| 77-47-4----- | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 1100 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1100 | U |
| 92-52-4----- | 1,1'-Biphenyl | 470 | J |
| 91-58-7----- | 2-Chloronaphthalene | 1100 | U |
| 88-74-4----- | 2-Nitroaniline | 2100 | U |
| 131-11-3----- | Dimethylphthalate | 1100 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 1100 | U |
| 208-96-8----- | Acenaphthylene | 2200 | |
| 99-09-2----- | 3-Nitroaniline | 2100 | U |
| 83-32-9----- | Acenaphthene | 960 | J |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-4

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-4DA64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 6 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0(uL)

Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|-------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 5300 | U |
| 100-02-7----- | 4-Nitrophenol | 2100 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 1100 | U |
| 132-64-9----- | Dibenzofuran | 790 | J |
| 84-66-2----- | Diethylphthalate | 1100 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 1100 | U |
| 86-73-7----- | Fluorene | 1600 | |
| 100-01-6----- | 4-Nitroaniline | 2100 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 2100 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 1100 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1----- | Hexachlorobenzene | 1100 | U |
| 1912-24-9----- | Atrazine | 1100 | U |
| 87-86-5----- | Pentachlorophenol | 1100 | U |
| 85-01-8----- | Phenanthrene | 12000 | B |
| 120-12-7----- | Anthracene | 2500 | |
| 86-74-8----- | Carbazole | 480 | J |
| 84-74-2----- | Di-n-butylphthalate | 1100 | U |
| 206-44-0----- | Fluoranthene | 7600 | B |
| 129-00-0----- | Pyrene | 12000 | B |
| 85-68-7----- | Butylbenzylphthalate | 1100 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 1100 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 1100 | U |
| 56-55-3----- | Benzo(a)anthracene | 3900 | B |
| 218-01-9----- | Chrysene | 4900 | B |
| 117-84-0----- | Di-n-octylphthalate | 1100 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 6800 | B |
| 207-08-9----- | Benzo(k)fluoranthene | 4100 | B |
| 50-32-8----- | Benzo(a)pyrene | 3900 | B |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 3200 | |
| 53-70-3----- | Dibenzo(a,h)anthracene | 1200 | |
| 191-24-2----- | Benzo(g,h,i)perylene | 2900 | |

3/25/03

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-5

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-5A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 380 | U |
| 108-95-2----- | Phenol | 380 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 380 | U |
| 95-57-8----- | 2-Chlorophenol | 380 | U |
| 95-48-7----- | 2-Methylphenol | 380 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2----- | Acetophenone | 380 | U |
| 106-44-5----- | 4-Methylphenol | 380 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 380 | U |
| 67-72-1----- | Hexachloroethane | 380 | U |
| 98-95-3----- | Nitrobenzene | 380 | U |
| 78-59-1----- | Isophorone | 380 | U |
| 88-75-5----- | 2-Nitrophenol | 380 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 380 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 380 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 380 | U |
| 91-20-3----- | Naphthalene | 380 | U |
| 106-47-8----- | 4-Chloroaniline | 380 | U |
| 87-68-3----- | Hexachlorobutadiene | 380 | U |
| 105-60-2----- | Caprolactam | 380 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 380 | U |
| 91-57-6----- | 2-Methylnaphthalene | 42 | J |
| 77-47-4----- | Hexachlorocyclopentadiene | 380 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 380 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 380 | U |
| 92-52-4----- | 1,1'-Biphenyl | 380 | U |
| 91-58-7----- | 2-Chloronaphthalene | 380 | U |
| 88-74-4----- | 2-Nitroaniline | 760 | U |
| 131-11-3----- | Dimethylphthalate | 380 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8----- | Acenaphthylene | 41 | J |
| 99-09-2----- | 3-Nitroaniline | 760 | U |
| 83-32-9----- | Acenaphthene | 380 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-5

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-5A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|----|
| 51-28-5----- | 2,4-Dinitrophenol | 1900 | U |
| 100-02-7----- | 4-Nitrophenol | 760 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 380 | U |
| 132-64-9----- | Dibenzofuran | 380 | U |
| 84-66-2----- | Diethylphthalate | 380 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 380 | U |
| 86-73-7----- | Fluorene | 380 | U |
| 100-01-6----- | 4-Nitroaniline | 760 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 760 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 380 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1----- | Hexachlorobenzene | 380 | U |
| 1912-24-9----- | Atrazine | 380 | U |
| 87-86-5----- | Pentachlorophenol | 380 | U |
| 85-01-8----- | Phenanthrene | 320 | JB |
| 120-12-7----- | Anthracene | 46 | J |
| 86-74-8----- | Carbazole | 380 | U |
| 84-74-2----- | Di-n-butylphthalate | 380 | U |
| 206-44-0----- | Fluoranthene | 180 | JB |
| 129-00-0----- | Pyrene | 320 | JB |
| 85-68-7----- | Butylbenzylphthalate | 380 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 380 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 220 | J |
| 56-55-3----- | Benzo(a)anthracene | 91 | JB |
| 218-01-9----- | Chrysene | 110 | JB |
| 117-84-0----- | Di-n-octylphthalate | 380 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 110 | JB |
| 207-08-9----- | Benzo(k)fluoranthene | 86 | JB |
| 50-32-8----- | Benzo(a)pyrene | 82 | JB |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 64 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 32 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 60 | J |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-6

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-6A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 380 | U |
| 108-95-2----- | Phenol | 380 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 380 | U |
| 95-57-8----- | 2-Chlorophenol | 380 | U |
| 95-48-7----- | 2-Methylphenol | 380 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2----- | Acetophenone | 380 | U |
| 106-44-5----- | 4-Methylphenol | 380 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 380 | U |
| 67-72-1----- | Hexachloroethane | 380 | U |
| 98-95-3----- | Nitrobenzene | 380 | U |
| 78-59-1----- | Isophorone | 380 | U |
| 88-75-5----- | 2-Nitrophenol | 380 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 380 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 380 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 380 | U |
| 91-20-3----- | Naphthalene | 72 | J |
| 106-47-8----- | 4-Chloroaniline | 380 | U |
| 87-68-3----- | Hexachlorobutadiene | 380 | U |
| 105-60-2----- | Caprolactam | 380 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 380 | U |
| 91-57-6----- | 2-Methylnaphthalene | 190 | J |
| 77-47-4----- | Hexachlorocyclopentadiene | 380 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 380 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 380 | U |
| 92-52-4----- | 1,1'-Biphenyl | 62 | J |
| 91-58-7----- | 2-Chloronaphthalene | 380 | U |
| 88-74-4----- | 2-Nitroaniline | 750 | U |
| 131-11-3----- | Dimethylphthalate | 380 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8----- | Acenaphthylene | 130 | J |
| 99-09-2----- | 3-Nitroaniline | 750 | U |
| 83-32-9----- | Acenaphthene | 54 | J |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW08-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-6

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-6A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|------|------|
| 51-28-5----- | 2,4-Dinitrophenol | 1900 | U |
| 100-02-7----- | 4-Nitrophenol | 750 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 380 | U |
| 132-64-9----- | Dibenzofuran | 86 | J |
| 84-66-2----- | Diethylphthalate | 380 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 380 | U |
| 86-73-7----- | Fluorene | 48 | J |
| 100-01-6----- | 4-Nitroaniline | 750 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 750 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 380 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1----- | Hexachlorobenzene | 380 | U |
| 1912-24-9----- | Atrazine | 380 | U |
| 87-86-5----- | Pentachlorophenol | 380 | U |
| 85-01-8----- | Phenanthrene | 1200 | B |
| 120-12-7----- | Anthracene | 160 | J |
| 86-74-8----- | Carbazole | 380 | U |
| 84-74-2----- | Di-n-butylphthalate | 380 | U |
| 206-44-0----- | Fluoranthene | 600 | B |
| 129-00-0----- | Pyrene | 810 | B |
| 85-68-7----- | Butylbenzylphthalate | 380 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 380 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 420 | |
| 56-55-3----- | Benzo(a)anthracene | 300 | JB B |
| 218-01-9----- | Chrysene | 350 | JB B |
| 117-84-0----- | Di-n-octylphthalate | 380 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 340 | JB B |
| 207-08-9----- | Benzo(k)fluoranthene | 310 | JB B |
| 50-32-8----- | Benzo(a)pyrene | 270 | JB |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 170 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 73 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 160 | J |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-11A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 11 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 370 | U |
| 108-95-2----- | Phenol | 370 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 370 | U |
| 95-57-8----- | 2-Chlorophenol | 370 | U |
| 95-48-7----- | 2-Methylphenol | 370 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 370 | U |
| 98-86-2----- | Acetophenone | 370 | U |
| 106-44-5----- | 4-Methylphenol | 370 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 370 | U |
| 67-72-1----- | Hexachloroethane | 370 | U |
| 98-95-3----- | Nitrobenzene | 370 | U |
| 78-59-1----- | Isophorone | 370 | U |
| 88-75-5----- | 2-Nitrophenol | 370 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 370 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 370 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 370 | U |
| 91-20-3----- | Naphthalene | 370 | U |
| 106-47-8----- | 4-Chloroaniline | 370 | U |
| 87-68-3----- | Hexachlorobutadiene | 370 | U |
| 105-60-2----- | Caprolactam | 370 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 370 | U |
| 91-57-6----- | 2-Methylnaphthalene | 370 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 370 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 370 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 370 | U |
| 92-52-4----- | 1,1'-Biphenyl | 370 | U |
| 91-58-7----- | 2-Chloronaphthalene | 370 | U |
| 88-74-4----- | 2-Nitroaniline | 740 | U |
| 131-11-3----- | Dimethylphthalate | 370 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 370 | U |
| 208-96-8----- | Acenaphthylene | 370 | U |
| 99-09-2----- | 3-Nitroaniline | 740 | U |
| 83-32-9----- | Acenaphthene | 370 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-11A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 11 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1900 | U |
| 100-02-7----- | 4-Nitrophenol | 740 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 370 | U |
| 132-64-9----- | Dibenzofuran | 370 | U |
| 84-66-2----- | Diethylphthalate | 370 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 370 | U |
| 86-73-7----- | Fluorene | 370 | U |
| 100-01-6----- | 4-Nitroaniline | 740 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 740 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 370 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 370 | U |
| 118-74-1----- | Hexachlorobenzene | 370 | U |
| 1912-24-9----- | Atrazine | 370 | U |
| 87-86-5----- | Pentachlorophenol | 370 | U |
| 85-01-8----- | Phenanthrene | 370 | U |
| 120-12-7----- | Anthracene | 370 | U |
| 86-74-8----- | Carbazole | 370 | U |
| 84-74-2----- | Di-n-butylphthalate | 370 | U |
| 206-44-0----- | Fluoranthene | 370 | U |
| 129-00-0----- | Pyrene | 370 | U |
| 85-68-7----- | Butylbenzylphthalate | 370 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 370 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 130 | J |
| 56-55-3----- | Benzo(a)anthracene | 370 | U |
| 218-01-9----- | Chrysene | 370 | U |
| 117-84-0----- | Di-n-octylphthalate | 370 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 370 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 370 | U |
| 50-32-8----- | Benzo(a)pyrene | 370 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 370 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 370 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 370 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-12JB64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 380 | U |
| 108-95-2----- | Phenol | 380 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 380 | U |
| 95-57-8----- | 2-Chlorophenol | 380 | U |
| 95-48-7----- | 2-Methylphenol | 380 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2----- | Acetophenone | 380 | U |
| 106-44-5----- | 4-Methylphenol | 380 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 380 | U |
| 67-72-1----- | Hexachloroethane | 380 | U |
| 98-95-3----- | Nitrobenzene | 380 | U |
| 78-59-1----- | Isophorone | 380 | U |
| 88-75-5----- | 2-Nitrophenol | 380 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 380 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 380 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 380 | U |
| 91-20-3----- | Naphthalene | 380 | U |
| 106-47-8----- | 4-Chloroaniline | 380 | U |
| 87-68-3----- | Hexachlorobutadiene | 380 | U |
| 105-60-2----- | Caprolactam | 380 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 380 | U |
| 91-57-6----- | 2-Methylnaphthalene | 380 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 380 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 380 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 380 | U |
| 92-52-4----- | 1,1'-Biphenyl | 380 | U |
| 91-58-7----- | 2-Chloronaphthalene | 380 | U |
| 88-74-4----- | 2-Nitroaniline | 760 | U |
| 131-11-3----- | Dimethylphthalate | 380 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8----- | Acenaphthylene | 380 | U |
| 99-09-2----- | 3-Nitroaniline | 760 | U |
| 83-32-9----- | Acenaphthene | 380 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10D-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-13

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-13JA64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 390 | U |
| 108-95-2 | Phenol | 390 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 390 | U |
| 95-57-8 | 2-Chlorophenol | 390 | U |
| 95-48-7 | 2-Methylphenol | 390 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 390 | U |
| 98-86-2 | Acetophenone | 390 | U |
| 106-44-5 | 4-Methylphenol | 390 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 390 | U |
| 67-72-1 | Hexachloroethane | 390 | U |
| 98-95-3 | Nitrobenzene | 390 | U |
| 78-59-1 | Isophorone | 390 | U |
| 88-75-5 | 2-Nitrophenol | 390 | U |
| 105-67-9 | 2,4-Dimethylphenol | 390 | U |
| 111-91-1 | Bis(2-chloroethoxy)methane | 390 | U |
| 120-83-2 | 2,4-Dichlorophenol | 390 | U |
| 91-20-3 | Naphthalene | 390 | U |
| 106-47-8 | 4-Chloroaniline | 390 | U |
| 87-68-3 | Hexachlorobutadiene | 390 | U |
| 105-60-2 | Caprolactam | 390 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 390 | U |
| 91-57-6 | 2-Methylnaphthalene | 390 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 390 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 390 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 390 | U |
| 92-52-4 | 1,1'-Biphenyl | 390 | U |
| 91-58-7 | 2-Chloronaphthalene | 390 | U |
| 88-74-4 | 2-Nitroaniline | 780 | U |
| 131-11-3 | Dimethylphthalate | 390 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 390 | U |
| 208-96-8 | Acenaphthylene | 390 | U |
| 99-09-2 | 3-Nitroaniline | 780 | U |
| 83-32-9 | Acenaphthene | 390 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-12JB64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

| | | | |
|----------------|-----------------------------|------|------|
| 51-28-5----- | 2,4-Dinitrophenol | 1900 | U |
| 100-02-7----- | 4-Nitrophenol | 760 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 380 | U |
| 132-64-9----- | Dibenzofuran | 380 | U |
| 84-66-2----- | Diethylphthalate | 380 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 380 | U |
| 86-73-7----- | Fluorene | 380 | U |
| 100-01-6----- | 4-Nitroaniline | 760 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 760 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 380 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1----- | Hexachlorobenzene | 380 | U |
| 1912-24-9----- | Atrazine | 380 | U |
| 87-86-5----- | Pentachlorophenol | 380 | U |
| 85-01-8----- | Phenanthrene | 74 | JB B |
| 120-12-7----- | Anthracene | 380 | U |
| 86-74-8----- | Carbazole | 380 | U |
| 84-74-2----- | Di-n-butylphthalate | 380 | U |
| 206-44-0----- | Fluoranthene | 42 | JB B |
| 129-00-0----- | Pyrene | 61 | JB B |
| 85-68-7----- | Butylbenzylphthalate | 380 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 380 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 610 | |
| 56-55-3----- | Benzo(a)anthracene | 380 | U |
| 218-01-9----- | Chrysene | 380 | U |
| 117-84-0----- | Di-n-octylphthalate | 380 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 380 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 380 | U |
| 50-32-8----- | Benzo(a)pyrene | 380 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 380 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 380 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 380 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-7

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-7JB64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 4 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 340 | U |
| 108-95-2 | Phenol | 340 | U |
| 111-44-4 | Bis(2-chloroethyl)ether | 340 | U |
| 95-57-8 | 2-Chlorophenol | 340 | U |
| 95-48-7 | 2-Methylphenol | 340 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 340 | U |
| 98-86-2 | Acetophenone | 340 | U |
| 106-44-5 | 4-Methylphenol | 340 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 340 | U |
| 67-72-1 | Hexachloroethane | 340 | U |
| 98-95-3 | Nitrobenzene | 340 | U |
| 78-59-1 | Isophorone | 340 | U |
| 88-75-5 | 2-Nitrophenol | 340 | U |
| 105-67-9 | 2,4-Dimethylphenol | 340 | U |
| 111-91-1 | Bis(2-chloroethoxy)methane | 340 | U |
| 120-83-2 | 2,4-Dichlorophenol | 340 | U |
| 91-20-3 | Naphthalene | 340 | U |
| 106-47-8 | 4-Chloroaniline | 340 | U |
| 87-68-3 | Hexachlorobutadiene | 340 | U |
| 105-60-2 | Caprolactam | 340 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 340 | U |
| 91-57-6 | 2-Methylnaphthalene | 340 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 340 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 340 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 340 | U |
| 92-52-4 | 1,1'-Biphenyl | 340 | U |
| 91-58-7 | 2-Chloronaphthalene | 340 | U |
| 88-74-4 | 2-Nitroaniline | 690 | U |
| 131-11-3 | Dimethylphthalate | 340 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 340 | U |
| 208-96-8 | Acenaphthylene | 340 | U |
| 99-09-2 | 3-Nitroaniline | 690 | U |
| 83-32-9 | Acenaphthene | 340 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10D-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-13

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-13JA64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 2000 | U |
| 100-02-7----- | 4-Nitrophenol | 780 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 390 | U |
| 132-64-9----- | Dibenzofuran | 390 | U |
| 84-66-2----- | Diethylphthalate | 390 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 390 | U |
| 86-73-7----- | Fluorene | 390 | U |
| 100-01-6----- | 4-Nitroaniline | 780 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 780 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 390 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 390 | U |
| 118-74-1----- | Hexachlorobenzene | 390 | U |
| 1912-24-9----- | Atrazine | 390 | U |
| 87-86-5----- | Pentachlorophenol | 390 | U |
| 85-01-8----- | Phenanthrene | 390 | U |
| 120-12-7----- | Anthracene | 390 | U |
| 86-74-8----- | Carbazole | 390 | U |
| 84-74-2----- | Di-n-butylphthalate | 390 | U |
| 206-44-0----- | Fluoranthene | 390 | U |
| 129-00-0----- | Pyrene | 390 | U |
| 85-68-7----- | Butylbenzylphthalate | 390 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 390 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 290 | J |
| 56-55-3----- | Benzo(a)anthracene | 390 | U |
| 218-01-9----- | Chrysene | 390 | U |
| 117-84-0----- | Di-n-octylphthalate | 390 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 390 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 390 | U |
| 50-32-8----- | Benzo(a)pyrene | 390 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 390 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 390 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 390 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-8

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-8A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 390 | U |
| 108-95-2 | Phenol | 390 | U |
| 111-44-4 | Bis(2-chloroethyl)ether | 390 | U |
| 95-57-8 | 2-Chlorophenol | 390 | U |
| 95-48-7 | 2-Methylphenol | 390 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 390 | U |
| 98-86-2 | Acetophenone | 390 | U |
| 106-44-5 | 4-Methylphenol | 390 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 390 | U |
| 67-72-1 | Hexachloroethane | 390 | U |
| 98-95-3 | Nitrobenzene | 390 | U |
| 78-59-1 | Isophorone | 390 | U |
| 88-75-5 | 2-Nitrophenol | 390 | U |
| 105-67-9 | 2,4-Dimethylphenol | 390 | U |
| 111-91-1 | Bis(2-chloroethoxy)methane | 390 | U |
| 120-83-2 | 2,4-Dichlorophenol | 390 | U |
| 91-20-3 | Naphthalene | 390 | U |
| 106-47-8 | 4-Chloroaniline | 390 | U |
| 87-68-3 | Hexachlorobutadiene | 390 | U |
| 105-60-2 | Caprolactam | 390 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 390 | U |
| 91-57-6 | 2-Methylnaphthalene | 390 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 390 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 390 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 390 | U |
| 92-52-4 | 1,1'-Biphenyl | 390 | U |
| 91-58-7 | 2-Chloronaphthalene | 390 | U |
| 88-74-4 | 2-Nitroaniline | 780 | U |
| 131-11-3 | Dimethylphthalate | 390 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 390 | U |
| 208-96-8 | Acenaphthylene | 390 | U |
| 99-09-2 | 3-Nitroaniline | 780 | U |
| 83-32-9 | Acenaphthene | 390 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-7

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-7JB64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 4 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 690 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 340 | U |
| 132-64-9----- | Dibenzofuran | 340 | U |
| 84-66-2----- | Diethylphthalate | 340 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 340 | U |
| 86-73-7----- | Fluorene | 340 | U |
| 100-01-6----- | 4-Nitroaniline | 690 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 690 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 340 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 340 | U |
| 118-74-1----- | Hexachlorobenzene | 340 | U |
| 1912-24-9----- | Atrazine | 340 | U |
| 87-86-5----- | Pentachlorophenol | 340 | U |
| 85-01-8----- | Phenanthrene | 340 | U |
| 120-12-7----- | Anthracene | 340 | U |
| 86-74-8----- | Carbazole | 340 | U |
| 84-74-2----- | Di-n-butylphthalate | 340 | U |
| 206-44-0----- | Fluoranthene | 340 | U |
| 129-00-0----- | Pyrene | 340 | U |
| 85-68-7----- | Butylbenzylphthalate | 340 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 340 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 260 | J |
| 56-55-3----- | Benzo(a)anthracene | 340 | U |
| 218-01-9----- | Chrysene | 340 | U |
| 117-84-0----- | Di-n-octylphthalate | 340 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 340 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 340 | U |
| 50-32-8----- | Benzo(a)pyrene | 340 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 340 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 340 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 340 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-9

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-9A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 340 | U |
| 108-95-2 | Phenol | 340 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 340 | U |
| 95-57-8 | 2-Chlorophenol | 340 | U |
| 95-48-7 | 2-Methylphenol | 340 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 340 | U |
| 98-86-2 | Acetophenone | 340 | U |
| 106-44-5 | 4-Methylphenol | 340 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 340 | U |
| 67-72-1 | Hexachloroethane | 340 | U |
| 98-95-3 | Nitrobenzene | 340 | U |
| 78-59-1 | Isophorone | 340 | U |
| 88-75-5 | 2-Nitrophenol | 340 | U |
| 105-67-9 | 2,4-Dimethylphenol | 340 | U |
| 111-91-1 | Bis(2-chloroethoxy)methane | 340 | U |
| 120-83-2 | 2,4-Dichlorophenol | 340 | U |
| 91-20-3 | Naphthalene | 340 | U |
| 106-47-8 | 4-Chloroaniline | 340 | U |
| 87-68-3 | Hexachlorobutadiene | 340 | U |
| 105-60-2 | Caprolactam | 340 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 340 | U |
| 91-57-6 | 2-Methylnaphthalene | 340 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 340 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 340 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 340 | U |
| 92-52-4 | 1,1'-Biphenyl | 340 | U |
| 91-58-7 | 2-Chloronaphthalene | 340 | U |
| 88-74-4 | 2-Nitroaniline | 680 | U |
| 131-11-3 | Dimethylphthalate | 340 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 340 | U |
| 208-96-8 | Acenaphthylene | 340 | U |
| 99-09-2 | 3-Nitroaniline | 680 | U |
| 83-32-9 | Acenaphthene | 340 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-8

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-8A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 2000 | U |
| 100-02-7----- | 4-Nitrophenol | 780 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 390 | U |
| 132-64-9----- | Dibenzofuran | 390 | U |
| 84-66-2----- | Diethylphthalate | 390 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 390 | U |
| 86-73-7----- | Fluorene | 390 | U |
| 100-01-6----- | 4-Nitroaniline | 780 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 780 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 390 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 390 | U |
| 118-74-1----- | Hexachlorobenzene | 390 | U |
| 1912-24-9----- | Atrazine | 390 | U |
| 87-86-5----- | Pentachlorophenol | 390 | U |
| 85-01-8----- | Phenanthrene | 390 | U |
| 120-12-7----- | Anthracene | 390 | U |
| 86-74-8----- | Carbazole | 390 | U |
| 84-74-2----- | Di-n-butylphthalate | 390 | U |
| 206-44-0----- | Fluoranthene | 390 | U |
| 129-00-0----- | Pyrene | 390 | U |
| 85-68-7----- | Butylbenzylphthalate | 390 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 390 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 270 | J |
| 56-55-3----- | Benzo(a)anthracene | 390 | U |
| 218-01-9----- | Chrysene | 390 | U |
| 117-84-0----- | Di-n-octylphthalate | 390 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 390 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 390 | U |
| 50-32-8----- | Benzo(a)pyrene | 390 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 390 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 390 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 390 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-10A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 14 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 380 | U |
| 108-95-2----- | Phenol | 380 | U |
| 111-44-4----- | Bis(2-chloroethyl)ether | 380 | U |
| 95-57-8----- | 2-Chlorophenol | 380 | U |
| 95-48-7----- | 2-Methylphenol | 380 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 380 | U |
| 98-86-2----- | Acetophenone | 380 | U |
| 106-44-5----- | 4-Methylphenol | 380 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 380 | U |
| 67-72-1----- | Hexachloroethane | 380 | U |
| 98-95-3----- | Nitrobenzene | 380 | U |
| 78-59-1----- | Isophorone | 380 | U |
| 88-75-5----- | 2-Nitrophenol | 380 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 380 | U |
| 111-91-1----- | Bis(2-chloroethoxy)methane | 380 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 380 | U |
| 91-20-3----- | Naphthalene | 380 | U |
| 106-47-8----- | 4-Chloroaniline | 380 | U |
| 87-68-3----- | Hexachlorobutadiene | 380 | U |
| 105-60-2----- | Caprolactam | 380 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 380 | U |
| 91-57-6----- | 2-Methylnaphthalene | 380 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 380 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 380 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 380 | U |
| 92-52-4----- | 1,1'-Biphenyl | 380 | U |
| 91-58-7----- | 2-Chloronaphthalene | 380 | U |
| 88-74-4----- | 2-Nitroaniline | 770 | U |
| 131-11-3----- | Dimethylphthalate | 380 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 380 | U |
| 208-96-8----- | Acenaphthylene | 380 | U |
| 99-09-2----- | 3-Nitroaniline | 770 | U |
| 83-32-9----- | Acenaphthene | 380 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-9

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-9A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 680 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 340 | U |
| 132-64-9----- | Dibenzofuran | 340 | U |
| 84-66-2----- | Diethylphthalate | 340 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 340 | U |
| 86-73-7----- | Fluorene | 340 | U |
| 100-01-6----- | 4-Nitroaniline | 680 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 680 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 340 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 340 | U |
| 118-74-1----- | Hexachlorobenzene | 340 | U |
| 1912-24-9----- | Atrazine | 340 | U |
| 87-86-5----- | Pentachlorophenol | 340 | U |
| 85-01-8----- | Phenanthrene | 340 | U |
| 120-12-7----- | Anthracene | 340 | U |
| 86-74-8----- | Carbazole | 340 | U |
| 84-74-2----- | Di-n-butylphthalate | 340 | U |
| 206-44-0----- | Fluoranthene | 340 | U |
| 129-00-0----- | Pyrene | 340 | U |
| 85-68-7----- | Butylbenzylphthalate | 340 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 340 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 310 | J |
| 56-55-3----- | Benzo(a)anthracene | 340 | U |
| 218-01-9----- | Chrysene | 340 | U |
| 117-84-0----- | Di-n-octylphthalate | 340 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 340 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 340 | U |
| 50-32-8----- | Benzo(a)pyrene | 340 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 340 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 340 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 340 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-MW09-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-14

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: Q2812-14A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/25/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-------------------------|-----------------|----------------|---------------|
| 1. | UNKNOWN (BC) | 5.32 | 400 | JB |
| 2. | UNKNOWN (BC) | 5.61 | 910 | JB |
| 3. | UNKNOWN (BC) | 6.91 | 320 | JB |
| 4. | UNKNOWN | 7.26 | 190 | J |
| 5. 83-47-6 | .GAMMA.-SITOSTEROL | 22.07 | 200 | NJ |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW11D-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-10A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 14 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1900 | U |
| 100-02-7----- | 4-Nitrophenol | 770 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 380 | U |
| 132-64-9----- | Dibenzofuran | 380 | U |
| 84-66-2----- | Diethylphthalate | 380 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 380 | U |
| 86-73-7----- | Fluorene | 380 | U |
| 100-01-6----- | 4-Nitroaniline | 770 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 770 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 380 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 380 | U |
| 118-74-1----- | Hexachlorobenzene | 380 | U |
| 1912-24-9----- | Atrazine | 380 | U |
| 87-86-5----- | Pentachlorophenol | 380 | U |
| 85-01-8----- | Phenanthrene | 380 | U |
| 120-12-7----- | Anthracene | 380 | U |
| 86-74-8----- | Carbazole | 380 | U |
| 84-74-2----- | Di-n-butylphthalate | 380 | U |
| 206-44-0----- | Fluoranthene | 380 | U |
| 129-00-0----- | Pyrene | 380 | U |
| 85-68-7----- | Butylbenzylphthalate | 380 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 380 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 200 | J |
| 56-55-3----- | Benzo(a)anthracene | 380 | U |
| 218-01-9----- | Chrysene | 380 | U |
| 117-84-0----- | Di-n-octylphthalate | 380 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 380 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 380 | U |
| 50-32-8----- | Benzo(a)pyrene | 380 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 380 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 380 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 380 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-MW09-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-16

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: Q2812-16A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/25/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|-----------------------------|-----------------|----------------|---------------|
| 1. | UNKNOWN (BC) | 5.32 | 300 | JB |
| 2. | UNKNOWN (BC) | 5.60 | 710 | JB |
| 3. | UNKNOWN SILOXANE | 7.40 | 160 | J |
| 4. | UNKNOWN | 7.62 | 260 | J J |
| 5. | STRAIGHT-CHAIN ALKANE | 15.56 | 350 | J |
| 6. | UNKNOWN | 16.39 | 220 | J |
| 7. | UNKNOWN | 17.14 | 220 | J |
| 8. | UNKNOWN ALKANE | 17.81 | 240 | J |
| 9. | STRAIGHT-CHAIN ALKANE | 18.43 | 230 | J |
| 10. | STRAIGHT-CHAIN ALKANE | 19.00 | 280 | J |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-MW09-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-15

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: Q2812-15A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 7 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/25/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|------------------------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.32 | 430 | JB B |
| 2. | UNKNOWN (BC) | 5.61 | 1000 | JB |
| 3. | UNKNOWN (BC) | 6.88 | 240 | JB |
| 4. | UNKNOWN | 6.91 | 150 | J J |
| 5. | STRAIGHT-CHAIN ALKANE | 7.02 | 150 | J |
| 6. 826-36-8 | 4-PIPERIDINONE, 2,2,6,6-TETR | 7.24 | 170 | NJ |
| 7. | UNKNOWN SILOXANE | 7.40 | 300 | J |
| 8. | UNKNOWN AMIDE | 19.32 | 140 | J J |
| 9. | UNKNOWN | 19.56 | 310 | J |
| 10. | UNKNOWN | 23.15 | 140 | J |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW07-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-2A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/25/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|------------------------------|-------|------------|------|
| 1. | UNKNOWN | 5.32 | 240 | J J |
| 2. | UNKNOWN (BC) | 5.38 | 420 | JB B |
| 3. | UNKNOWN (BC) | 5.66 | 370 | JB B |
| 4. | UNKNOWN | 5.88 | 170 | J J |
| 5. | UNKNOWN | 6.96 | 390 | J J |
| 6. | UNKNOWN (BC) | 7.32 | 230 | JB B |
| 7. 192-97-2 | BENZO [E] PYRENE | 19.99 | 190 | NJ J |
| 8. 53584-60-4 | 28-NOR-17.ALPHA. (H) -HOPANE | 20.98 | 270 | NJ J |
| 9. | UNKNOWN | 21.39 | 350 | J ↓ |
| 10. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW07-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-1A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/25/03
✓

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|----------------|-----------------------------|-------|------------|------|
| 1. | UNKNOWN | 5.32 | 320 | J J |
| 2. | UNKNOWN (BC) | 5.37 | 450 | JB B |
| 3. | UNKNOWN (BC) | 5.66 | 400 | JB B |
| 4. | UNKNOWN | 5.95 | 140 | J J |
| 5. 57-10-3 | HEXADECANOIC ACID | 12.79 | 160 | NJ |
| 6. | UNKNOWN | 17.32 | 150 | J |
| 7. | UNKNOWN | 19.14 | 600 | J |
| 8. | UNKNOWN CARBOXYLIC ACID | 19.33 | 450 | J |
| 9. | UNKNOWN | 19.70 | 420 | J |
| 10. | UNKNOWN | 19.78 | 500 | J |
| 11. | UNKNOWN | 19.85 | 270 | J |
| 12. | UNKNOWN CARBOXYLIC ACID | 19.94 | 150 | J |
| 13. 14021-23-9 | D-FRIEDOLEAN-14-ENE, 3-METH | 21.84 | 1000 | NJ |
| 14. | UNKNOWN | 22.05 | 290 | J |
| 15. | UNKNOWN | 22.35 | 290 | J |
| 16. | UNKNOWN | 23.28 | 150 | J |
| 17. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW08-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-4

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-4DA64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 6 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 3.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/5/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|-------------------------------|-------|------------|------|
| 1. 90-12-0 | NAPHTHALENE, 1-METHYL- | 8.70 | 1700 | NJ J |
| 2. 575-43-9 | NAPHTHALENE, 1,6-DIMETHYL- | 9.27 | 1100 | NJ |
| 3. 569-41-5 | NAPHTHALENE, 1,8-DIMETHYL- | 9.36 | 2000 | NJ |
| 4. 832-64-4 | PHENANTHRENE, 4-METHYL- | 12.48 | 560 | NJ |
| 5. 203-64-5 | 4H-CYCLOPENTA[DEF] PHENANTHRE | 12.73 | 580 | NJ |
| 6. 2381-21-7 | PYRENE, 1-METHYL- | 15.69 | 890 | NJ |
| 7. 2381-21-7 | PYRENE, 1-METHYL- | 15.93 | 610 | NJ |
| 8. 82-05-3 | 7H-BENZ[DE] ANTHRACEN-7-ONE | 16.87 | 730 | NJ |
| 9. | UNKNOWN | 17.16 | 700 | J |
| 10. | UNKNOWN | 17.31 | 620 | J |
| 11. 3351-28-8 | CHRYSENE, 1-METHYL- | 18.43 | 520 | NJ |
| 12. | UNKNOWN | 19.31 | 1000 | J |
| 13. | UNKNOWN PAH | 19.74 | 980 | J |
| 14. | UNKNOWN | 19.93 | 1200 | J |
| 15. 205-82-3 | BENZO[J] FLUORANTHENE | 20.01 | 4400 | NJ |
| 16. | UNKNOWN | 20.99 | 2000 | J |
| 17. | UNKNOWN | 21.42 | 4400 | J |
| 18. | UNKNOWN PAH | 21.53 | 2000 | J |
| 19. | UNKNOWN | 21.87 | 990 | J |
| 20. 191-26-4 | DIBENZO[DEF,MNO] CHRYSENE | 21.99 | 1900 | NJ |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW07-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-3A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 6

3/25/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|------------------------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.37 | 480 | JB B |
| 2. | UNKNOWN (BC) | 5.66 | 410 | JB |
| 3. | UNKNOWN (BC) | 6.96 | 700 | JB |
| 4. 826-36-8 | 4-PIPERIDINONE, 2,2,6,6-TETR | 7.30 | 320 | NJ J |
| 5. | UNKNOWN (BC) | 7.69 | 220 | JB B |
| 6. | UNKNOWN | 21.89 | 180 | J J |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW08-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-6

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-6A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/15/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------------------|------------------------------|-------|------------|------|
| 1. 79-34-5 | ETHANE, 1,1,2,2-TETRACHLORO- | 5.34 | 430 | NJ J |
| 2. | UNKNOWN (BC) | 5.38 | 480 | JB B |
| 3. | UNKNOWN (BC) | 5.66 | 370 | JB B |
| 4. | UNKNOWN | 6.98 | 310 | J J |
| 5. | UNKNOWN | 7.40 | 230 | J J |
| 6. | UNKNOWN (BC) | 7.62 | 260 | JB B |
| 7. 571-61-9 | NAPHTHALENE, 1,5-DIMETHYL- | 9.26 | 230 | NJ J |
| 8. 581-40-8 | NAPHTHALENE, 2,3-DIMETHYL- | 9.36 | 410 | NJ |
| 9. | UNKNOWN ALKANE | 10.78 | 200 | J |
| 10. 486-25-9 | 9H-FLUOREN-9-ONE | 11.25 | 340 | NJ |
| 11. 120-12-7 | ANTHRACENE <i>ISOMER</i> | 11.56 | 1400 | NJ |
| 12. 613-12-7 | ANTHRACENE, 2-METHYL- | 12.49 | 200 | NJ |
| 13. 84-65-1 | 9,10-ANTHRACENEDIONE | 13.30 | 220 | NJ |
| 14. 192-97-2 | BENZO[E]PYRENE | 19.99 | 400 | NJ |
| 15. | UNKNOWN | 21.00 | 650 | J |
| 16. | UNKNOWN | 21.03 | 230 | J |
| 17. | UNKNOWN | 21.41 | 1400 | J |
| 18. | UNKNOWN | 21.86 | 400 | J |
| 19. | UNKNOWN | 22.22 | 400 | J |
| 20. | UNKNOWN PAH | 22.30 | 330 | J |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW08-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-5

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-5A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/12/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---|-----------------|----------------|---------------|
| 1. | UNKNOWN | 5.34 | 460 | J |
| 2. | UNKNOWN (BC) | 5.39 | 550 | JB |
| 3. | UNKNOWN (BC) | 5.66 | 480 | JB |
| 4. | UNKNOWN | 5.89 | 240 | J |
| 5. | UNKNOWN | 5.96 | 160 | J |
| 6. | UNKNOWN | 6.69 | 170 | J |
| 7. | UNKNOWN (BC) | 6.97 | 680 | JB |
| 8. | UNKNOWN (BC) | 7.33 | 490 | JB |
| 9. | UNKNOWN | 7.72 | 190 | J |
| 10. | 207-08-9 BENZO [K] FLUORANTHENE ISOMER | 19.98 | 180 | NJ |
| 11. | UNKNOWN | 21.00 | 160 | J |
| 12. | UNKNOWN | 21.40 | 460 | J |
| 13. | UNKNOWN ALKANE | 21.84 | 240 | J |
| 14. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW10-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-12JB64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/25/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|-------------------------|-----------------|----------------|------------------------|
| 1. | UNKNOWN (BC) | 5.39 | 380 | JB <i>β</i> |
| 2. | UNKNOWN (BC) | 5.66 | 400 | JB <i>+</i> |
| 3. | UNKNOWN | 5.90 | 200 | J <i>β</i> |
| 4. | UNKNOWN (BC) | 6.98 | 630 | JB <i>β</i> |
| 5. | UNKNOWN (BC) | 7.33 | 400 | JB <i>↓</i> |
| 6. | UNKNOWN (BC) | 7.64 | 160 | JB <i>↓</i> |
| 7. | UNKNOWN ALKANE | 10.49 | 160 | J <i>↓</i> |
| 8. | BRANCHED ALKANE | 10.81 | 160 | J <i>↓</i> |
| 9. 10544-50-0 | SULFUR, MOL. (S8) | 14.14 | 250 | NJ <i>↓</i> |
| 10. | UNKNOWN | 21.40 | 170 | J <i>↓</i> |
| 11. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW10-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-11A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 11 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/15/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|----|
| 1. | UNKNOWN (BC) | 5.38 | 470 | JB |
| 2. | UNKNOWN (BC) | 5.66 | 380 | JB |
| 3. | UNKNOWN | 6.96 | 230 | J |
| 4. | UNKNOWN | 7.47 | 270 | J |
| 5. | | | | |
| 6. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW11-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-7

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-7JB64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 4 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/21/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|------|
| 1. | UNKNOWN (BC) | 5.39 | 410 | JB β |
| 2. | UNKNOWN (BC) | 5.66 | 360 | JB ↓ |
| 3. | UNKNOWN (BC) | 6.98 | 370 | JB ↓ |
| 4. | UNKNOWN | 7.46 | 440 | J J |
| 5. | | | | |
| 6. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW10D-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-13

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-13JA64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/2/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|------|
| 1. | UNKNOWN (BC) | 5.39 | 360 | JB B |
| 2. | UNKNOWN (BC) | 5.66 | 420 | JB J |
| 3. | UNKNOWN | 5.90 | 160 | J J |
| 4. | UNKNOWN (BC) | 6.98 | 670 | JB B |
| 5. | UNKNOWN (BC) | 7.35 | 500 | JB D |
| 6. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW11D-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-9

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-9A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

3/25/03

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|------------------------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.37 | 460 | JB B |
| 2. | UNKNOWN (BC) | 5.66 | 380 | JB B |
| 3. 826-36-8 | 4-PIPERIDINONE, 2,2,6,6-TETR | 7.28 | 180 | NJ J |
| 4. | UNKNOWN | 7.47 | 630 | J J |
| 5. | UNKNOWN (BC) | 7.67 | 150 | JB B |
| 6. | UNKNOWN | 8.46 | 160 | J J |
| 7. | UNKNOWN | 21.40 | 140 | J J |
| 8. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW11-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-8

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-8A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/2/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|------------------------------|-----------------|----------------|---------------|
| 1. | UNKNOWN (BC) | 5.39 | 430 | JB |
| 2. | UNKNOWN (BC) | 5.66 | 440 | JB |
| 3. | UNKNOWN | 5.89 | 190 | J |
| 4. | UNKNOWN (BC) | 6.94 | 640 | JB |
| 5. | UNKNOWN | 6.98 | 180 | J |
| 6. 826-36-8 | 4-PIPERIDINONE, 2,2,6,6-TETR | 7.30 | 400 | NJ |
| 7. | UNKNOWN | 7.62 | 170 | J |
| 8. | UNKNOWN (BC) | 7.68 | 280 | JB |
| 9. | | | | |
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FORM I SV-TIC

54

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-MW09-0

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-14

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N

Date Received: 12/11/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/11/02

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 12/13/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|------------|---------------------|------|----|
| 309-00-2 | Aldrin | 0.90 | U |
| 319-84-6 | alpha-BHC | 0.90 | U |
| 319-85-7 | beta-BHC | 1.8 | U |
| 319-86-8 | delta-BHC | 0.90 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.90 | U |
| 72-54-8 | 4,4'-DDD | 2.7 | JP |
| 72-55-9 | 4,4'-DDE | 1.7 | J |
| 50-29-3 | 4,4'-DDT | 8.8 | P |
| 60-57-1 | Dieldrin | 1.8 | U |
| 959-98-8 | Endosulfan I | 1.8 | U |
| 33213-65-9 | Endosulfan II | 3.6 | U |
| 1031-07-8 | Endosulfan sulfate | 3.6 | U |
| 72-20-8 | Endrin | 3.6 | U |
| 7421-93-4 | Endrin Aldehyde | 3.6 | U |
| 76-44-8 | Heptachlor | 0.90 | U |
| 1024-57-3 | Heptachlor Epoxide | 0.90 | U |
| 72-43-5 | Methoxychlor | 9.0 | U |
| 8001-35-2 | Toxaphene | 90 | U |
| 12674-11-2 | Aroclor-1016 | 71 | U |
| 11104-28-2 | Aroclor-1221 | 92 | U |
| 11141-16-5 | Aroclor-1232 | 71 | U |
| 53469-21-9 | Aroclor-1242 | 49 | U |
| 12672-29-6 | Aroclor-1248 | 49 | U |
| 11097-69-1 | Aroclor-1254 | 49 | U |
| 11096-82-5 | Aroclor-1260 | 71 | U |
| 53494-70-5 | Endrin Ketone | 9.0 | U |
| 5103-74-2 | gamma-Chlordane | 0.90 | U |
| 5103-71-9 | alpha-Chlordane | 1.8 | U |

3/25/03

J

J

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW11D-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: Q2812-10A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 14 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/25/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|------------------------------|------|------------|------|
| 1. | UNKNOWN (BC) | 5.38 | 380 | JB 6 |
| 2. | UNKNOWN (BC) | 5.66 | 350 | JB 1 |
| 3. | UNKNOWN (BC) | 6.93 | 540 | JB 5 |
| 4. 826-36-8 | 4-PIPERIDINONE, 2,2,6,6-TETR | 7.28 | 290 | NJ 5 |
| 5. | UNKNOWN (BC) | 7.67 | 250 | JB 6 |
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FORM I SV-TIC

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8081A-8082

SS-MW09-4

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-16

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N

Date Received: 12/11/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/11/02

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 12/13/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.91 | U |
| 319-84-6----- | alpha-BHC | 0.91 | U |
| 319-85-7----- | beta-BHC | 1.9 | U |
| 319-86-8----- | delta-BHC | 0.91 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.91 | U |
| 72-54-8----- | 4,4'-DDD | 6.4 | P |
| 72-55-9----- | 4,4'-DDE | 1.9 | U |
| 50-29-3----- | 4,4'-DDT | 7.3 | U |
| 60-57-1----- | Dieldrin | 1.9 | U |
| 959-98-8----- | Endosulfan I | 1.9 | U |
| 33213-65-9----- | Endosulfan II | 3.6 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.6 | U |
| 72-20-8----- | Endrin | 3.6 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.6 | U |
| 76-44-8----- | Heptachlor | 0.91 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.91 | U |
| 72-43-5----- | Methoxychlor | 9.1 | U |
| 8001-35-2----- | Toxaphene | 91 | U |
| 12674-11-2----- | Aroclor-1016 | 71 | U |
| 11104-28-2----- | Aroclor-1221 | 93 | U |
| 11141-16-5----- | Aroclor-1232 | 71 | U |
| 53469-21-9----- | Aroclor-1242 | 49 | U |
| 12672-29-6----- | Aroclor-1248 | 49 | U |
| 11097-69-1----- | Aroclor-1254 | 49 | U |
| 11096-82-5----- | Aroclor-1260 | 71 | U |
| 53494-70-5----- | Endrin Ketone | 9.1 | U |
| 5103-74-2----- | gamma-Chlordane | 0.91 | U |
| 5103-71-9----- | alpha-Chlordane | 1.9 | U |

3/15/03
2

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-MW09-1

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-15

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N

Date Received: 12/11/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/11/02

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 12/13/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.89 | U |
| 319-84-6----- | alpha-BHC | 0.89 | U |
| 319-85-7----- | beta-BHC | 1.8 | U |
| 319-86-8----- | delta-BHC | 0.89 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.89 | U |
| 72-54-8----- | 4,4'-DDD | 3.5 | U |
| 72-55-9----- | 4,4'-DDE | 2.6 | |
| 50-29-3----- | 4,4'-DDT | 5.4 | U |
| 60-57-1----- | Dieldrin | 1.8 | U |
| 959-98-8----- | Endosulfan I | 1.8 | U |
| 33213-65-9----- | Endosulfan II | 3.5 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.5 | U |
| 72-20-8----- | Endrin | 3.5 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.5 | U |
| 76-44-8----- | Heptachlor | 0.89 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.89 | U |
| 72-43-5----- | Methoxychlor | 8.9 | U |
| 8001-35-2----- | Toxaphene | 89 | U |
| 12674-11-2----- | Aroclor-1016 | 70 | U |
| 11104-28-2----- | Aroclor-1221 | 91 | U |
| 11141-16-5----- | Aroclor-1232 | 70 | U |
| 53469-21-9----- | Aroclor-1242 | 48 | U |
| 12672-29-6----- | Aroclor-1248 | 48 | U |
| 11097-69-1----- | Aroclor-1254 | 48 | U |
| 11096-82-5----- | Aroclor-1260 | 67 | J |
| 53494-70-5----- | Endrin Ketone | 8.9 | U |
| 5103-74-2----- | gamma-Chlordane | 0.89 | U |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U |

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW07-1

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/09/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.90 | U |
| 319-84-6----- | alpha-BHC | 0.90 | U |
| 319-85-7----- | beta-BHC | 1.8 | U |
| 319-86-8----- | delta-BHC | 0.90 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.90 | U |
| 72-54-8----- | 4,4'-DDD | 3.6 | U |
| 72-55-9----- | 4,4'-DDE | 1.8 | U |
| 50-29-3----- | 4,4'-DDT | 5.4 | U |
| 60-57-1----- | Dieldrin | 1.8 | U |
| 959-98-8----- | Endosulfan I | 1.8 | U |
| 33213-65-9----- | Endosulfan II | 3.6 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.6 | U |
| 72-20-8----- | Endrin | 3.6 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.6 | U |
| 76-44-8----- | Heptachlor | 0.90 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.90 | U |
| 72-43-5----- | Methoxychlor | 9.0 | U |
| 8001-35-2----- | Toxaphene | 90 | U |
| 12674-11-2----- | Aroclor-1016 | 71 | U |
| 11104-28-2----- | Aroclor-1221 | 92 | U |
| 11141-16-5----- | Aroclor-1232 | 71 | U |
| 53469-21-9----- | Aroclor-1242 | 49 | U |
| 12672-29-6----- | Aroclor-1248 | 49 | U |
| 11097-69-1----- | Aroclor-1254 | 49 | U |
| 11096-82-5----- | Aroclor-1260 | 71 | U |
| 53494-70-5----- | Endrin Ketone | 9.0 | U |
| 5103-74-2----- | gamma-Chlordane | 0.90 | U |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW07-0

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 5 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/09/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.87 | U |
| 319-84-6----- | alpha-BHC | 0.87 | U |
| 319-85-7----- | beta-BHC | 1.8 | U |
| 319-86-8----- | delta-BHC | 0.87 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.87 | U |
| 72-54-8----- | 4,4'-DDD | 3.5 | U |
| 72-55-9----- | 4,4'-DDE | 1.8 | U |
| 50-29-3----- | 4,4'-DDT | 4.3 | J |
| 60-57-1----- | Dieldrin | 1.8 | U |
| 959-98-8----- | Endosulfan I | 1.8 | U |
| 33213-65-9----- | Endosulfan II | 3.5 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.5 | U |
| 72-20-8----- | Endrin | 3.5 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.5 | U |
| 76-44-8----- | Heptachlor | 0.87 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.87 | U |
| 72-43-5----- | Methoxychlor | 8.7 | U |
| 8001-35-2----- | Toxaphene | 87 | U |
| 12674-11-2----- | Aroclor-1016 | 68 | U |
| 11104-28-2----- | Aroclor-1221 | 89 | U |
| 11141-16-5----- | Aroclor-1232 | 68 | U |
| 53469-21-9----- | Aroclor-1242 | 47 | U |
| 12672-29-6----- | Aroclor-1248 | 47 | U |
| 11097-69-1----- | Aroclor-1254 | 47 | U |
| 11096-82-5----- | Aroclor-1260 | 68 | U |
| 53494-70-5----- | Endrin Ketone | 8.7 | U |
| 5103-74-2----- | gamma-Chlordane | 0.87 | U |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U |

3/25/03

#

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW08-0

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-4

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 6 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/20/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------------------------|------|----|---|
| 309-00-2-----Aldrin | 0.88 | U | |
| 319-84-6-----alpha-BHC | 0.88 | U | |
| 319-85-7-----beta-BHC | 1.8 | U | |
| 319-86-8-----delta-BHC | 0.88 | U | |
| 58-89-9-----gamma-BHC (Lindane) | 0.88 | U | |
| 72-54-8-----4,4'-DDD | 3.5 | U | |
| 72-55-9-----4,4'-DDE | 1.8 | U | |
| 50-29-3-----4,4'-DDT | 5.3 | U | |
| 60-57-1-----Dieldrin | 27 | EP | J |
| 959-98-8-----Endosulfan I | 1.8 | U | |
| 33213-65-9-----Endosulfan II | 18 | P | J |
| 1031-07-8-----Endosulfan sulfate | 3.5 | U | |
| 72-20-8-----Endrin | 3.5 | U | |
| 7421-93-4-----Endrin Aldehyde | 3.5 | U | |
| 76-44-8-----Heptachlor | 0.88 | U | |
| 1024-57-3-----Heptachlor Epoxide | 0.88 | U | |
| 72-43-5-----Methoxychlor | 8.8 | U | |
| 8001-35-2-----Toxaphene | 88 | U | |
| 12674-11-2-----Aroclor-1016 | 69 | U | |
| 11104-28-2-----Aroclor-1221 | 90 | U | |
| 11141-16-5-----Aroclor-1232 | 69 | U | |
| 53469-21-9-----Aroclor-1242 | 48 | U | |
| 12672-29-6-----Aroclor-1248 | 48 | U | |
| 11097-69-1-----Aroclor-1254 | 48 | U | |
| 11096-82-5-----Aroclor-1260 | 69 | U | |
| 53494-70-5-----Endrin Ketone | 52 | | J |
| 5103-74-2-----gamma-Chlordane | 0.88 | U | |
| 5103-71-9-----alpha-Chlordane | 1.8 | U | |

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW07-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|-----|---|
| 309-00-2----- | Aldrin | 1.0 | U |
| 319-84-6----- | alpha-BHC | 1.0 | U |
| 319-85-7----- | beta-BHC | 2.1 | U |
| 319-86-8----- | delta-BHC | 1.0 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 1.0 | U |
| 72-54-8----- | 4,4'-DDD | 4.1 | U |
| 72-55-9----- | 4,4'-DDE | 2.1 | U |
| 50-29-3----- | 4,4'-DDT | 6.3 | U |
| 60-57-1----- | Dieldrin | 2.1 | U |
| 959-98-8----- | Endosulfan I | 2.1 | U |
| 33213-65-9----- | Endosulfan II | 4.1 | U |
| 1031-07-8----- | Endosulfan sulfate | 4.1 | U |
| 72-20-8----- | Endrin | 4.1 | U |
| 7421-93-4----- | Endrin Aldehyde | 4.1 | U |
| 76-44-8----- | Heptachlor | 1.0 | U |
| 1024-57-3----- | Heptachlor Epoxide | 1.0 | U |
| 72-43-5----- | Methoxychlor | 10 | U |
| 8001-35-2----- | Toxaphene | 100 | U |
| 12674-11-2----- | Aroclor-1016 | 81 | U |
| 11104-28-2----- | Aroclor-1221 | 110 | U |
| 11141-16-5----- | Aroclor-1232 | 81 | U |
| 53469-21-9----- | Aroclor-1242 | 56 | U |
| 12672-29-6----- | Aroclor-1248 | 56 | U |
| 11097-69-1----- | Aroclor-1254 | 56 | U |
| 11096-82-5----- | Aroclor-1260 | 21 | J |
| 53494-70-5----- | Endrin Ketone | 10 | U |
| 5103-74-2----- | gamma-Chlordane | 1.0 | U |
| 5103-71-9----- | alpha-Chlordane | 2.1 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW08-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-6

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/20/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|------|
| 309-00-2----- | Aldrin | 0.94 | U |
| 319-84-6----- | alpha-BHC | 0.94 | U |
| 319-85-7----- | beta-BHC | 1.9 | U |
| 319-86-8----- | delta-BHC | 0.94 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.94 | U |
| 72-54-8----- | 4,4'-DDD | 4.3 | |
| 72-55-9----- | 4,4'-DDE | 1.9 | U |
| 50-29-3----- | 4,4'-DDT | 5.7 | U |
| 60-57-1----- | Dieldrin | 16 | EP J |
| 959-98-8----- | Endosulfan I | 1.9 | U |
| 33213-65-9----- | Endosulfan II | 3.8 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.8 | U |
| 72-20-8----- | Endrin | 3.8 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.8 | U |
| 76-44-8----- | Heptachlor | 0.94 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.94 | U |
| 72-43-5----- | Methoxychlor | 9.4 | U |
| 8001-35-2----- | Toxaphene | 94 | U |
| 12674-11-2----- | Aroclor-1016 | 74 | U |
| 11104-28-2----- | Aroclor-1221 | 97 | U |
| 11141-16-5----- | Aroclor-1232 | 74 | U |
| 53469-21-9----- | Aroclor-1242 | 51 | U |
| 12672-29-6----- | Aroclor-1248 | 51 | U |
| 11097-69-1----- | Aroclor-1254 | 51 | U |
| 11096-82-5----- | Aroclor-1260 | 74 | U |
| 53494-70-5----- | Endrin Ketone | 5.5 | JP J |
| 5103-74-2----- | gamma-Chlordane | 0.94 | U |
| 5103-71-9----- | alpha-Chlordane | 1.9 | U |

2/25/03

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW08-1

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-5

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/20/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.98 | P |
| 319-84-6----- | alpha-BHC | 0.95 | U |
| 319-85-7----- | beta-BHC | 2.0 | U |
| 319-86-8----- | delta-BHC | 0.95 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.95 | U |
| 72-54-8----- | 4,4'-DDD | 3.8 | U |
| 72-55-9----- | 4,4'-DDE | 2.0 | U |
| 50-29-3----- | 4,4'-DDT | 5.7 | U |
| 60-57-1----- | Dieldrin | 2.0 | U |
| 959-98-8----- | Endosulfan I | 2.0 | U |
| 33213-65-9----- | Endosulfan II | 3.8 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.8 | U |
| 72-20-8----- | Endrin | 3.8 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.8 | U |
| 76-44-8----- | Heptachlor | 0.95 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.95 | U |
| 72-43-5----- | Methoxychlor | 9.5 | U |
| 8001-35-2----- | Toxaphene | 95 | U |
| 12674-11-2----- | Aroclor-1016 | 75 | U |
| 11104-28-2----- | Aroclor-1221 | 98 | U |
| 11141-16-5----- | Aroclor-1232 | 75 | U |
| 53469-21-9----- | Aroclor-1242 | 52 | U |
| 12672-29-6----- | Aroclor-1248 | 52 | U |
| 11097-69-1----- | Aroclor-1254 | 52 | U |
| 11096-82-5----- | Aroclor-1260 | 75 | U |
| 53494-70-5----- | Endrin Ketone | 9.5 | U |
| 5103-74-2----- | gamma-Chlordane | 0.95 | U |
| 5103-71-9----- | alpha-Chlordane | 2.0 | U |

3/25/03 ✓

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW10-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Sulfur Cleanup: (Y/N) Y

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|----|
| 309-00-2----- | Aldrin | 0.95 | U |
| 319-84-6----- | alpha-BHC | 0.95 | U |
| 319-85-7----- | beta-BHC | 2.0 | U |
| 319-86-8----- | delta-BHC | 0.95 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.95 | U |
| 72-54-8----- | 4,4'-DDD | 3.8 | U |
| 72-55-9----- | 4,4'-DDE | 2.0 | U |
| 50-29-3----- | 4,4'-DDT | 0.93 | JP |
| 60-57-1----- | Dieldrin | 2.0 | U |
| 959-98-8----- | Endosulfan I | 2.0 | U |
| 33213-65-9----- | Endosulfan II | 3.8 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.8 | U |
| 72-20-8----- | Endrin | 3.8 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.8 | U |
| 76-44-8----- | Heptachlor | 0.95 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.95 | U |
| 72-43-5----- | Methoxychlor | 9.5 | U |
| 8001-35-2----- | Toxaphene | 95 | U |
| 12674-11-2----- | Aroclor-1016 | 75 | U |
| 11104-28-2----- | Aroclor-1221 | 98 | U |
| 11141-16-5----- | Aroclor-1232 | 75 | U |
| 53469-21-9----- | Aroclor-1242 | 52 | U |
| 12672-29-6----- | Aroclor-1248 | 52 | U |
| 11097-69-1----- | Aroclor-1254 | 52 | U |
| 11096-82-5----- | Aroclor-1260 | 75 | U |
| 53494-70-5----- | Endrin Ketone | 9.5 | U |
| 5103-74-2----- | gamma-Chlordane | 0.95 | U |
| 5103-71-9----- | alpha-Chlordane | 2.0 | U |

3/25/03
2

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW10-0

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: COMPU Case No.: SAS No.: SDG No.: Q2812

Matrix: (soil/water) SOIL Lab Sample ID: Q2812-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|---------------------|---|---|
| 309-00-2 | Aldrin | 0.93 | U |
| 319-84-6 | alpha-BHC | 0.93 | U |
| 319-85-7 | beta-BHC | 1.9 | U |
| 319-86-8 | delta-BHC | 0.93 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.93 | U |
| 72-54-8 | 4,4'-DDD | 3.7 | U |
| 72-55-9 | 4,4'-DDE | 1.9 | U |
| 50-29-3 | 4,4'-DDT | 5.6 | U |
| 60-57-1 | Dieldrin | 1.9 | U |
| 959-98-8 | Endosulfan I | 1.9 | U |
| 33213-65-9 | Endosulfan II | 3.7 | U |
| 1031-07-8 | Endosulfan sulfate | 3.7 | U |
| 72-20-8 | Endrin | 3.7 | U |
| 7421-93-4 | Endrin Aldehyde | 3.7 | U |
| 76-44-8 | Heptachlor | 0.93 | U |
| 1024-57-3 | Heptachlor Epoxide | 0.93 | U |
| 72-43-5 | Methoxychlor | 9.3 | U |
| 8001-35-2 | Toxaphene | 93 | U |
| 12674-11-2 | Aroclor-1016 | 73 | U |
| 11104-28-2 | Aroclor-1221 | 96 | U |
| 11141-16-5 | Aroclor-1232 | 73 | U |
| 53469-21-9 | Aroclor-1242 | 51 | U |
| 12672-29-6 | Aroclor-1248 | 51 | U |
| 11097-69-1 | Aroclor-1254 | 51 | U |
| 11096-82-5 | Aroclor-1260 | 73 | U |
| 53494-70-5 | Endrin Ketone | 9.3 | U |
| 5103-74-2 | gamma-Chlordane | 0.93 | U |
| 5103-71-9 | alpha-Chlordane | 1.9 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW11-1

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-7

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 4 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/20/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.86 | U |
| 319-84-6----- | alpha-BHC | 0.86 | U |
| 319-85-7----- | beta-BHC | 1.8 | U |
| 319-86-8----- | delta-BHC | 0.86 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.86 | U |
| 72-54-8----- | 4,4'-DDD | 3.4 | U |
| 72-55-9----- | 4,4'-DDE | 0.98 | J |
| 50-29-3----- | 4,4'-DDT | 1.4 | J |
| 60-57-1----- | Dieldrin | 1.8 | U |
| 959-98-8----- | Endosulfan I | 1.8 | U |
| 33213-65-9----- | Endosulfan II | 3.4 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.4 | U |
| 72-20-8----- | Endrin | 3.4 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.4 | U |
| 76-44-8----- | Heptachlor | 0.86 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.86 | U |
| 72-43-5----- | Methoxychlor | 8.6 | U |
| 8001-35-2----- | Toxaphene | 86 | U |
| 12674-11-2----- | Aroclor-1016 | 68 | U |
| 11104-28-2----- | Aroclor-1221 | 89 | U |
| 11141-16-5----- | Aroclor-1232 | 68 | U |
| 53469-21-9----- | Aroclor-1242 | 47 | U |
| 12672-29-6----- | Aroclor-1248 | 47 | U |
| 11097-69-1----- | Aroclor-1254 | 47 | U |
| 11096-82-5----- | Aroclor-1260 | 68 | U |
| 53494-70-5----- | Endrin Ketone | 8.6 | U |
| 5103-74-2----- | gamma-Chlordane | 0.86 | U |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW10D-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-13

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|-----------------|---------------------|---|------|
| 309-00-2----- | Aldrin | 0.98 | U |
| 319-84-6----- | alpha-BHC | 0.98 | U |
| 319-85-7----- | beta-BHC | 2.0 | U |
| 319-86-8----- | delta-BHC | 0.98 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.37 | J J |
| 72-54-8----- | 4,4'-DDD | 0.42 | J J |
| 72-55-9----- | 4,4'-DDE | 2.0 | U |
| 50-29-3----- | 4,4'-DDT | 3.0 | JP J |
| 60-57-1----- | Dieldrin | 2.0 | U |
| 959-98-8----- | Endosulfan I | 2.0 | U |
| 33213-65-9----- | Endosulfan II | 3.9 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.9 | U |
| 72-20-8----- | Endrin | 3.9 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.9 | U |
| 76-44-8----- | Heptachlor | 0.98 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.98 | U |
| 72-43-5----- | Methoxychlor | 9.8 | U |
| 8001-35-2----- | Toxaphene | 98 | U |
| 12674-11-2----- | Aroclor-1016 | 76 | U |
| 11104-28-2----- | Aroclor-1221 | 100 | U |
| 11141-16-5----- | Aroclor-1232 | 76 | U |
| 53469-21-9----- | Aroclor-1242 | 53 | U |
| 12672-29-6----- | Aroclor-1248 | 53 | U |
| 11097-69-1----- | Aroclor-1254 | 53 | U |
| 11096-82-5----- | Aroclor-1260 | 76 | U |
| 53494-70-5----- | Endrin Ketone | 9.8 | U |
| 5103-74-2----- | gamma-Chlordane | 0.98 | U |
| 5103-71-9----- | alpha-Chlordane | 2.0 | U |

3/25/03
2

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW11D-1

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-9

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Sulfur Cleanup: (Y/N) Y

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.86 | U |
| 319-84-6----- | alpha-BHC | 0.86 | U |
| 319-85-7----- | beta-BHC | 1.8 | U |
| 319-86-8----- | delta-BHC | 0.86 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.86 | U |
| 72-54-8----- | 4,4'-DDD | 3.4 | U |
| 72-55-9----- | 4,4'-DDE | 1.6 | J |
| 50-29-3----- | 4,4'-DDT | 1.7 | J |
| 60-57-1----- | Dieldrin | 1.8 | U |
| 959-98-8----- | Endosulfan I | 1.8 | U |
| 33213-65-9----- | Endosulfan II | 3.4 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.4 | U |
| 72-20-8----- | Endrin | 3.4 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.4 | U |
| 76-44-8----- | Heptachlor | 0.86 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.86 | U |
| 72-43-5----- | Methoxychlor | 8.6 | U |
| 8001-35-2----- | Toxaphene | 86 | U |
| 12674-11-2----- | Aroclor-1016 | 67 | U |
| 11104-28-2----- | Aroclor-1221 | 88 | U |
| 11141-16-5----- | Aroclor-1232 | 67 | U |
| 53469-21-9----- | Aroclor-1242 | 46 | U |
| 12672-29-6----- | Aroclor-1248 | 46 | U |
| 11097-69-1----- | Aroclor-1254 | 46 | U |
| 11096-82-5----- | Aroclor-1260 | 67 | U |
| 53494-70-5----- | Endrin Ketone | 8.6 | U |
| 5103-74-2----- | gamma-Chlordane | 0.86 | U |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U |

3/25/03

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW11-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-8

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | |
|----------------------------------|------|---|
| 309-00-2-----Aldrin | 0.98 | U |
| 319-84-6-----alpha-BHC | 0.98 | U |
| 319-85-7-----beta-BHC | 2.0 | U |
| 319-86-8-----delta-BHC | 0.98 | U |
| 58-89-9-----gamma-BHC (Lindane) | 0.98 | U |
| 72-54-8-----4,4'-DDD | 3.9 | U |
| 72-55-9-----4,4'-DDE | 2.0 | U |
| 50-29-3-----4,4'-DDT | 5.9 | U |
| 60-57-1-----Dieldrin | 2.0 | U |
| 959-98-8-----Endosulfan I | 2.0 | U |
| 33213-65-9-----Endosulfan II | 3.9 | U |
| 1031-07-8-----Endosulfan sulfate | 3.9 | U |
| 72-20-8-----Endrin | 3.9 | U |
| 7421-93-4-----Endrin Aldehyde | 3.9 | U |
| 76-44-8-----Heptachlor | 0.98 | U |
| 1024-57-3-----Heptachlor Epoxide | 0.98 | U |
| 72-43-5-----Methoxychlor | 9.8 | U |
| 8001-35-2-----Toxaphene | 98 | U |
| 12674-11-2-----Aroclor-1016 | 76 | U |
| 11104-28-2-----Aroclor-1221 | 100 | U |
| 11141-16-5-----Aroclor-1232 | 76 | U |
| 53469-21-9-----Aroclor-1242 | 53 | U |
| 12672-29-6-----Aroclor-1248 | 53 | U |
| 11097-69-1-----Aroclor-1254 | 53 | U |
| 11096-82-5-----Aroclor-1260 | 76 | U |
| 53494-70-5-----Endrin Ketone | 9.8 | U |
| 5103-74-2-----gamma-Chlordane | 0.98 | U |
| 5103-71-9-----alpha-Chlordane | 2.0 | U |

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW07-0

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812

Matrix (soil/water): SOIL

Lab Sample ID: Q2812-1

Level (low/med): LOW

Date Received: 12/04/02

% Solids: 94.7

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 1200 | | | P |
| 7440-36-0 | Antimony | 0.42 | B | | P |
| 7440-38-2 | Arsenic | 0.63 | B | | P |
| 7440-39-3 | Barium | 5.3 | | | P |
| 7440-41-7 | Beryllium | 0.05 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 247 | | | P |
| 7440-47-3 | Chromium | 4.2 | | | P |
| 7440-48-4 | Cobalt | 0.80 | | | P |
| 7440-50-8 | Copper | 6.3 | | | P |
| 7439-89-6 | Iron | 2070 | | | P |
| 7439-92-1 | Lead | 21.2 | N | | P |
| 7439-95-4 | Magnesium | 151 | E | | P |
| 7439-96-5 | Manganese | 13.3 | | | P |
| 7439-97-6 | Mercury | 0.035 | | | CV |
| 7440-02-0 | Nickel | 0.73 | | | P |
| 7440-09-7 | Potassium | 169 | | | P |
| 7782-49-2 | Selenium | 0.32 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 133 | B | | P |
| 7440-28-0 | Thallium | 0.49 | U | N | P |
| 7440-62-2 | Vanadium | 3.9 | | | P |
| 7440-66-6 | Zinc | 81.8 | E | | P |

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments:

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW11D-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: Q2812-10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/04/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/20/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|----|
| 309-00-2----- | Aldrin | 0.97 | U |
| 319-84-6----- | alpha-BHC | 0.97 | U |
| 319-85-7----- | beta-BHC | 2.0 | U |
| 319-86-8----- | delta-BHC | 0.97 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.97 | U |
| 72-54-8----- | 4,4'-DDD | 0.88 | J |
| 72-55-9----- | 4,4'-DDE | 2.0 | U |
| 50-29-3----- | 4,4'-DDT | 1.3 | JP |
| 60-57-1----- | Dieldrin | 2.0 | U |
| 959-98-8----- | Endosulfan I | 2.0 | U |
| 33213-65-9----- | Endosulfan II | 3.8 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.8 | U |
| 72-20-8----- | Endrin | 3.8 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.8 | U |
| 76-44-8----- | Heptachlor | 0.97 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.97 | U |
| 72-43-5----- | Methoxychlor | 9.7 | U |
| 8001-35-2----- | Toxaphene | 97 | U |
| 12674-11-2----- | Aroclor-1016 | 76 | U |
| 11104-28-2----- | Aroclor-1221 | 99 | U |
| 11141-16-5----- | Aroclor-1232 | 76 | U |
| 53469-21-9----- | Aroclor-1242 | 52 | U |
| 12672-29-6----- | Aroclor-1248 | 52 | U |
| 11097-69-1----- | Aroclor-1254 | 52 | U |
| 11096-82-5----- | Aroclor-1260 | 76 | U |
| 53494-70-5----- | Endrin Ketone | 9.7 | U |
| 5103-74-2----- | gamma-Chlordane | 0.97 | U |
| 5103-71-9----- | alpha-Chlordane | 2.0 | U |

2/25/03
2

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW07-4

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812
 Matrix (soil/water): SOIL Lab Sample ID: Q2812-3
 Level (low/med): LOW Date Received: 12/04/02
 % Solids: 79.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 163 | | | P |
| 7440-36-0 | Antimony | 0.57 | B | | P |
| 7440-38-2 | Arsenic | 0.31 | U | | P |
| 7440-39-3 | Barium | 1.0 | B | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.05 | U | | P |
| 7440-70-2 | Calcium | 41.5 | B | | P |
| 7440-47-3 | Chromium | 1.9 | | | P |
| 7440-48-4 | Cobalt | 0.08 | B | | P |
| 7440-50-8 | Copper | 0.28 | B | | P |
| 7439-89-6 | Iron | 715 | | | P |
| 7439-92-1 | Lead | 1.5 | | N | P |
| 7439-95-4 | Magnesium | 30.0 | B | E | P |
| 7439-96-5 | Manganese | 3.7 | | | P |
| 7439-97-6 | Mercury | 0.018 | U | | CV |
| 7440-02-0 | Nickel | 0.15 | B | | P |
| 7440-09-7 | Potassium | 45.8 | B | | P |
| 7782-49-2 | Selenium | 0.41 | U | | P |
| 7440-22-4 | Silver | 0.09 | U | | P |
| 7440-23-5 | Sodium | 51.7 | B | | P |
| 7440-28-0 | Thallium | 0.64 | U | N | P |
| 7440-62-2 | Vanadium | 1.2 | B | | P |
| 7440-66-6 | Zinc | 3.6 | | E | P |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
 Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW07-1

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812

Matrix (soil/water): SOIL

Lab Sample ID: Q2812-2

Level (low/med): LOW

Date Received: 12/04/02

% Solids: 92.5

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 292 | | | P |
| 7440-36-0 | Antimony | 0.77 | B | | P |
| 7440-38-2 | Arsenic | 0.25 | U | | P |
| 7440-39-3 | Barium | 2.2 | | | P |
| 7440-41-7 | Beryllium | 0.02 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 96.4 | B | | P |
| 7440-47-3 | Chromium | 4.6 | | | P |
| 7440-48-4 | Cobalt | 0.20 | B | | P |
| 7440-50-8 | Copper | 2.6 | | | P |
| 7439-89-6 | Iron | 1190 | | | P |
| 7439-92-1 | Lead | 9.6 | | N | P |
| 7439-95-4 | Magnesium | 45.3 | B | E | P |
| 7439-96-5 | Manganese | 8.8 | | | P |
| 7439-97-6 | Mercury | 0.017 | B | | CV |
| 7440-02-0 | Nickel | 0.39 | B | | P |
| 7440-09-7 | Potassium | 61.3 | B | | P |
| 7782-49-2 | Selenium | 0.33 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 65.7 | B | | P |
| 7440-28-0 | Thallium | 0.51 | U | N | P |
| 7440-62-2 | Vanadium | 1.2 | B | | P |
| 7440-66-6 | Zinc | 16.5 | | E | P |

Color Before: GREY

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW08-1

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812Matrix (soil/water): SOILLab Sample ID: Q2812-5Level (low/med): LOWDate Received: 12/04/02% Solids: 87.3

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 236 | | | P |
| 7440-36-0 | Antimony | 0.40 | U | | P |
| 7440-38-2 | Arsenic | 0.27 | U | | P |
| 7440-39-3 | Barium | 1.2 | | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 38.6 | B | | P |
| 7440-47-3 | Chromium | 2.6 | | | P |
| 7440-48-4 | Cobalt | 0.07 | B | | P |
| 7440-50-8 | Copper | 0.15 | U | | P |
| 7439-89-6 | Iron | 952 | | | P |
| 7439-92-1 | Lead | 0.65 | | N | P |
| 7439-95-4 | Magnesium | 36.5 | B | E | P |
| 7439-96-5 | Manganese | 4.1 | | | P |
| 7439-97-6 | Mercury | 0.017 | U | | CV |
| 7440-02-0 | Nickel | 0.19 | B | | P |
| 7440-09-7 | Potassium | 56.5 | B | | P |
| 7782-49-2 | Selenium | 0.35 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 51.4 | B | | P |
| 7440-28-0 | Thallium | 0.55 | U | N | P |
| 7440-62-2 | Vanadium | 1.5 | B | | P |
| 7440-66-6 | Zinc | 1.1 | B | E | P |

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW08-0

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812
 Matrix (soil/water): SOIL Lab Sample ID: Q2812-4
 Level (low/med): LOW Date Received: 12/04/02
 % Solids: 94.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 6930 | | | P |
| 7440-36-0 | Antimony | 0.51 | B | | P |
| 7440-38-2 | Arsenic | 1.0 | B | | P |
| 7440-39-3 | Barium | 15.8 | | | P |
| 7440-41-7 | Beryllium | 0.11 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 574 | | | P |
| 7440-47-3 | Chromium | 9.8 | | | P |
| 7440-48-4 | Cobalt | 0.93 | | | P |
| 7440-50-8 | Copper | 1.3 | | | P |
| 7439-89-6 | Iron | 10100 | | | P |
| 7439-92-1 | Lead | 6.3 | | N | P |
| 7439-95-4 | Magnesium | 504 | | E | P |
| 7439-96-5 | Manganese | 69.1 | | | P |
| 7439-97-6 | Mercury | 0.034 | | | CV |
| 7440-02-0 | Nickel | 3.7 | | | P |
| 7440-09-7 | Potassium | 494 | | | P |
| 7782-49-2 | Selenium | 0.69 | | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 77.0 | B | | P |
| 7440-28-0 | Thallium | 0.53 | U | N | P |
| 7440-62-2 | Vanadium | 17.6 | | | P |
| 7440-66-6 | Zinc | 10.6 | | E | P |

Color Before: BROWN Clarity Before: _____ Texture: COARSE
 Color After: YELLOW Clarity After: _____ Artifacts: _____
 Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-MW09-0

Name: COMPUCHEM Contract: _____
 Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: Q2812
 Matrix (soil/water): SOIL Lab Sample ID: Q2812-14
 Level (low/med): LOW Date Received: 12/11/02
 Solids: 91.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 889 | | | P |
| 7440-36-0 | Antimony | 0.56 | B | | P |
| 7440-38-2 | Arsenic | 0.81 | B | | P |
| 7440-39-3 | Barium | 8.3 | | | P |
| 7440-41-7 | Beryllium | 0.06 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 3060 | | | P |
| 7440-47-3 | Chromium | 2.7 | | | P |
| 7440-48-4 | Cobalt | 0.71 | | | P |
| 7440-50-8 | Copper | 0.15 | U | | P |
| 7439-89-6 | Iron | 2390 | | | P |
| 7439-92-1 | Lead | 8.3 | | N | P |
| 7439-95-4 | Magnesium | 265 | | E | P |
| 7439-96-5 | Manganese | 33.7 | | | P |
| 7439-97-6 | Mercury | 0.020 | B | | CV |
| 7440-02-0 | Nickel | 1.4 | | | P |
| 7440-09-7 | Potassium | 274 | | | P |
| 7782-49-2 | Selenium | 0.35 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 84.5 | B | | P |
| 7440-28-0 | Thallium | 0.54 | U | N | P |
| 7440-62-2 | Vanadium | 4.1 | | | P |
| 7440-66-6 | Zinc | 11.0 | | E | P |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
 Color After: YELLOW Clarity After: _____ Artifacts: _____
 Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW08-4

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Matrix (soil/water): SOIL Lab Sample ID: Q2812-6

Level (low/med): LOW Date Received: 12/04/02

% Solids: 87.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 328 | | | P |
| 7440-36-0 | Antimony | 0.41 | U | | P |
| 7440-38-2 | Arsenic | 0.28 | U | | P |
| 7440-39-3 | Barium | 2.0 | | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 78.5 | B | | P |
| 7440-47-3 | Chromium | 5.0 | | | P |
| 7440-48-4 | Cobalt | 0.15 | B | | P |
| 7440-50-8 | Copper | 0.16 | U | | P |
| 7439-89-6 | Iron | 1250 | | | P |
| 7439-92-1 | Lead | 0.84 | | N | P |
| 7439-95-4 | Magnesium | 69.4 | B | E | P |
| 7439-96-5 | Manganese | 8.2 | | | P |
| 7439-97-6 | Mercury | 0.017 | U | | CV |
| 7440-02-0 | Nickel | 0.45 | B | | P |
| 7440-09-7 | Potassium | 102 | B | | P |
| 7782-49-2 | Selenium | 0.37 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 61.1 | B | | P |
| 7440-28-0 | Thallium | 0.57 | U | N | P |
| 7440-62-2 | Vanadium | 1.9 | B | | P |
| 7440-66-6 | Zinc | 2.3 | | E | P |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-MW09-4

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Matrix (soil/water): SOIL Lab Sample ID: Q2812-16

Level (low/med): LOW Date Received: 12/11/02

% Solids: 91.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 284 | | | P |
| 7440-36-0 | Antimony | 0.40 | U | | P |
| 7440-38-2 | Arsenic | 0.27 | U | | P |
| 7440-39-3 | Barium | 2.6 | | | P |
| 7440-41-7 | Beryllium | 0.02 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 97.3 | B | | P |
| 7440-47-3 | Chromium | 4.8 | | | P |
| 7440-48-4 | Cobalt | 0.25 | B | | P |
| 7440-50-8 | Copper | 0.30 | B | | P |
| 7439-89-6 | Iron | 1380 | | | P |
| 7439-92-1 | Lead | 2.1 | | N | P |
| 7439-95-4 | Magnesium | 54.7 | B | E | P |
| 7439-96-5 | Manganese | 11.6 | | | P |
| 7439-97-6 | Mercury | 0.018 | U | | CV |
| 7440-02-0 | Nickel | 0.66 | | | P |
| 7440-09-7 | Potassium | 70.2 | B | | P |
| 7782-49-2 | Selenium | 0.36 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 54.9 | B | | P |
| 7440-28-0 | Thallium | 0.55 | U | N | P |
| 7440-62-2 | Vanadium | 1.5 | B | | P |
| 7440-66-6 | Zinc | 5.4 | | E | P |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-MW09-1

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812Matrix (soil/water): SOILLab Sample ID: Q2812-15Level (low/med): LOWDate Received: 12/11/02% Solids: 93.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 488 | | | P |
| 7440-36-0 | Antimony | 0.50 | B | | P |
| 7440-38-2 | Arsenic | 0.43 | B | | P |
| 7440-39-3 | Barium | 3.5 | | | P |
| 7440-41-7 | Beryllium | 0.03 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 261 | | | P |
| 7440-47-3 | Chromium | 2.4 | | | P |
| 7440-48-4 | Cobalt | 0.36 | B | | P |
| 7440-50-8 | Copper | 0.28 | B | | P |
| 7439-89-6 | Iron | 1330 | | | P |
| 7439-92-1 | Lead | 5.4 | | N | P |
| 7439-95-4 | Magnesium | 86.4 | B | E | P |
| 7439-96-5 | Manganese | 13.1 | | | P |
| 7439-97-6 | Mercury | 0.023 | B | | CV |
| 7440-02-0 | Nickel | 0.62 | | | P |
| 7440-09-7 | Potassium | 87.9 | B | | P |
| 7782-49-2 | Selenium | 0.33 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 62.4 | B | | P |
| 7440-28-0 | Thallium | 0.51 | U | N | P |
| 7440-62-2 | Vanadium | 2.3 | | | P |
| 7440-66-6 | Zinc | 5.1 | | E | P |

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW10-4

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Matrix (soil/water): SOIL Lab Sample ID: Q2812-12

Level (low/med): LOW Date Received: 12/04/02

% Solids: 86.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 299 | | | P |
| 7440-36-0 | Antimony | 0.49 | B | | P |
| 7440-38-2 | Arsenic | 0.29 | U | | P |
| 7440-39-3 | Barium | 2.1 | | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.05 | U | | P |
| 7440-70-2 | Calcium | 118 | | | P |
| 7440-47-3 | Chromium | 6.3 | | | P |
| 7440-48-4 | Cobalt | 0.12 | B | | P |
| 7440-50-8 | Copper | 0.40 | B | | P |
| 7439-89-6 | Iron | 867 | | | P |
| 7439-92-1 | Lead | 1.4 | | N | P |
| 7439-95-4 | Magnesium | 45.5 | B | E | P |
| 7439-96-5 | Manganese | 6.6 | | | P |
| 7439-97-6 | Mercury | 0.019 | B | | CV |
| 7440-02-0 | Nickel | 0.39 | B | | P |
| 7440-09-7 | Potassium | 74.2 | B | | P |
| 7782-49-2 | Selenium | 0.38 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 67.0 | B | | P |
| 7440-28-0 | Thallium | 0.58 | U | N | P |
| 7440-62-2 | Vanadium | 1.3 | B | | P |
| 7440-66-6 | Zinc | 6.5 | | E | P |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW10-0

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Matrix (soil/water): SOIL Lab Sample ID: Q2812-11

Level (low/med): LOW Date Received: 12/04/02

% Solids: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 395 | | | P |
| 7440-36-0 | Antimony | 0.44 | B | | P |
| 7440-38-2 | Arsenic | 0.42 | B | | P |
| 7440-39-3 | Barium | 2.2 | | | P |
| 7440-41-7 | Beryllium | 0.02 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 70.1 | B | | P |
| 7440-47-3 | Chromium | 1.6 | | | P |
| 7440-48-4 | Cobalt | 0.25 | B | | P |
| 7440-50-8 | Copper | 4.1 | | | P |
| 7439-89-6 | Iron | 767 | | | P |
| 7439-92-1 | Lead | 5.0 | | N | P |
| 7439-95-4 | Magnesium | 50.7 | B | E | P |
| 7439-96-5 | Manganese | 3.3 | | | P |
| 7439-97-6 | Mercury | 0.019 | B | | CV |
| 7440-02-0 | Nickel | 0.28 | B | | P |
| 7440-09-7 | Potassium | 96.7 | B | | P |
| 7782-49-2 | Selenium | 0.37 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 59.6 | B | | P |
| 7440-28-0 | Thallium | 0.57 | U | N | P |
| 7440-62-2 | Vanadium | 2.0 | B | | P |
| 7440-66-6 | Zinc | 6.1 | | E | P |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW11-1

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Matrix (soil/water): SOIL Lab Sample ID: Q2812-7

Level (low/med): LOW Date Received: 12/04/02

% Solids: 96.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 313 | | | P |
| 7440-36-0 | Antimony | 0.71 | B | | P |
| 7440-38-2 | Arsenic | 0.25 | U | | P |
| 7440-39-3 | Barium | 2.9 | | | P |
| 7440-41-7 | Beryllium | 0.02 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 65.6 | B | | P |
| 7440-47-3 | Chromium | 1.9 | | | P |
| 7440-48-4 | Cobalt | 0.23 | B | | P |
| 7440-50-8 | Copper | 17.9 | | | P |
| 7439-89-6 | Iron | 875 | | | P |
| 7439-92-1 | Lead | 8.2 | | N | P |
| 7439-95-4 | Magnesium | 45.3 | B | E | P |
| 7439-96-5 | Manganese | 10.1 | | | P |
| 7439-97-6 | Mercury | 0.018 | B | | CV |
| 7440-02-0 | Nickel | 0.42 | B | | P |
| 7440-09-7 | Potassium | 52.5 | B | | P |
| 7782-49-2 | Selenium | 0.33 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 65.6 | B | | P |
| 7440-28-0 | Thallium | 0.50 | U | N | P |
| 7440-62-2 | Vanadium | 1.6 | B | | P |
| 7440-66-6 | Zinc | 24.6 | | E | P |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW10D-4

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812

Matrix (soil/water): SOIL

Lab Sample ID: Q2812-13

Level (low/med): LOW

Date Received: 12/04/02

% Solids: 85.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 240 | | | P |
| 7440-36-0 | Antimony | 0.51 | B | | P |
| 7440-38-2 | Arsenic | 0.27 | U | | P |
| 7440-39-3 | Barium | 1.7 | | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 80.9 | B | | P |
| 7440-47-3 | Chromium | 4.2 | | | P |
| 7440-48-4 | Cobalt | 0.14 | B | | P |
| 7440-50-8 | Copper | 0.15 | U | | P |
| 7439-89-6 | Iron | 594 | | | P |
| 7439-92-1 | Lead | 0.83 | | N | P |
| 7439-95-4 | Magnesium | 32.7 | B | E | P |
| 7439-96-5 | Manganese | 3.4 | | | P |
| 7439-97-6 | Mercury | 0.020 | B | | CV |
| 7440-02-0 | Nickel | 0.38 | B | | P |
| 7440-09-7 | Potassium | 61.0 | B | | P |
| 7782-49-2 | Selenium | 0.36 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 60.0 | B | | P |
| 7440-28-0 | Thallium | 0.55 | U | N | P |
| 7440-62-2 | Vanadium | 1.1 | B | | P |
| 7440-66-6 | Zinc | 5.6 | | E | P |

Color Before: GREY

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW11D-1

Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812Matrix (soil/water): SOILLab Sample ID: Q2812-9Level (low/med): LOWDate Received: 12/04/02Solids: 96.6

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 314 | | | P |
| 7440-36-0 | Antimony | 0.55 | B | | P |
| 7440-38-2 | Arsenic | 0.25 | U | | P |
| 7440-39-3 | Barium | 2.9 | | | P |
| 7440-41-7 | Beryllium | 0.02 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 77.7 | B | | P |
| 7440-47-3 | Chromium | 5.1 | | | P |
| 7440-48-4 | Cobalt | 0.27 | B | | P |
| 7440-50-8 | Copper | 22.2 | | | P |
| 7439-89-6 | Iron | 1270 | | | P |
| 7439-92-1 | Lead | 33.6 | | N | P |
| 7439-95-4 | Magnesium | 51.2 | B | E | P |
| 7439-96-5 | Manganese | 13.9 | | | P |
| 7439-97-6 | Mercury | 0.018 | B | | CV |
| 7440-02-0 | Nickel | 0.54 | | | P |
| 7440-09-7 | Potassium | 58.4 | B | | P |
| 7782-49-2 | Selenium | 0.33 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 95.2 | B | | P |
| 7440-28-0 | Thallium | 0.51 | U | N | P |
| 7440-62-2 | Vanadium | 1.6 | B | | P |
| 7440-66-6 | Zinc | 42.7 | | E | P |

Color Before: BROWN

Clarity Before: _____

Texture: MEDIUMColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW11-4

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Matrix (soil/water): SOIL Lab Sample ID: Q2812-8

Level (low/med): LOW Date Received: 12/04/02

% Solids: 85.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|-------------|
| 7429-90-5 | Aluminum | 172 | | | P <i>K</i> |
| 7440-36-0 | Antimony | 0.50 | B | | P <i>B</i> |
| 7440-38-2 | Arsenic | 0.27 | U | | P |
| 7440-39-3 | Barium | 1.7 | | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 87.9 | B | | P |
| 7440-47-3 | Chromium | 1.9 | | | P |
| 7440-48-4 | Cobalt | 0.09 | B | | P |
| 7440-50-8 | Copper | 0.50 | B | | P <i>L</i> |
| 7439-89-6 | Iron | 559 | | | P |
| 7439-92-1 | Lead | 2.0 | | N | P <i>L</i> |
| 7439-95-4 | Magnesium | 28.1 | B | E | P <i>B</i> |
| 7439-96-5 | Manganese | 5.2 | | | P |
| 7439-97-6 | Mercury | 0.017 | U | | CV |
| 7440-02-0 | Nickel | 0.20 | B | | P |
| 7440-09-7 | Potassium | 46.2 | B | | P <i>B</i> |
| 7782-49-2 | Selenium | 0.36 | U | | P <i>UL</i> |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 51.1 | B | | P <i>L</i> |
| 7440-28-0 | Thallium | 0.55 | U | N | P <i>UL</i> |
| 7440-62-2 | Vanadium | 0.81 | B | | P |
| 7440-66-6 | Zinc | 3.6 | | E | P <i>B</i> |

3/25/03

Color Before: GREY Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

6/MW055

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-18

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-18A52

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: not dec. 21

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|-----------------|------------------------------|---|-----|
| 75-71-8----- | Dichlorodifluoromethane | 6 | U |
| 74-87-3----- | Chloromethane | 6 | U |
| 75-01-4----- | Vinyl Chloride | 6 | U |
| 74-83-9----- | Bromomethane | 6 | U |
| 75-00-3----- | Chloroethane | 6 | U |
| 75-69-4----- | Trichlorofluoromethane | 6 | U |
| 75-35-4----- | 1,1-Dichloroethene | 6 | U |
| 75-15-0----- | Carbon disulfide | 6 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 6 | U |
| 67-64-1----- | Acetone | 16 | U |
| 75-09-2----- | Methylene Chloride | 6 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 6 | U |
| 75-34-3----- | 1,1-Dichloroethane | 6 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3----- | 2-butanone | 16 | U |
| 67-66-3----- | Chloroform | 6 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5----- | Carbon Tetrachloride | 6 | U |
| 71-43-2----- | Benzene | 6 | U |
| 107-06-2----- | 1,2-Dichloroethane | 6 | U |
| 79-01-6----- | Trichloroethene | 6 | U |
| 78-87-5----- | 1,2-Dichloropropane | 6 | U |
| 75-27-4----- | Bromodichloromethane | 6 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 16 | U |
| 108-88-3----- | Toluene | 2 | J B |
| 10061-02-6----- | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4----- | Tetrachloroethene | 6 | U |
| 591-78-6----- | 2-hexanone | 16 | U |
| 124-48-1----- | Dibromochloromethane | 6 | U |
| 106-93-4----- | 1,2-Dibromoethane | 6 | U |

FORM I VOA

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW11D-4

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812

Matrix (soil/water): SOIL

Lab Sample ID: Q2812-10

Level (low/med): LOW

Date Received: 12/04/02

% Solids: 85.7

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 216 | | | P |
| 7440-36-0 | Antimony | 0.46 | B | | P |
| 7440-38-2 | Arsenic | 0.29 | U | | P |
| 7440-39-3 | Barium | 1.9 | | | P |
| 7440-41-7 | Beryllium | 0.01 | B | | P |
| 7440-43-9 | Cadmium | 0.05 | U | | P |
| 7440-70-2 | Calcium | 88.9 | B | | P |
| 7440-47-3 | Chromium | 2.2 | | | P |
| 7440-48-4 | Cobalt | 0.16 | B | | P |
| 7440-50-8 | Copper | 0.97 | | | P |
| 7439-89-6 | Iron | 734 | | | P |
| 7439-92-1 | Lead | 2.6 | | N | P |
| 7439-95-4 | Magnesium | 32.1 | B | E | P |
| 7439-96-5 | Manganese | 5.4 | | | P |
| 7439-97-6 | Mercury | 0.020 | B | | CV |
| 7440-02-0 | Nickel | 0.23 | B | | P |
| 7440-09-7 | Potassium | 53.7 | B | | P |
| 7782-49-2 | Selenium | 0.38 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 59.7 | B | | P |
| 7440-28-0 | Thallium | 0.58 | U | N | P |
| 7440-62-2 | Vanadium | 0.99 | B | | P |
| 7440-66-6 | Zinc | 5.9 | | E | P |

Color Before: GREY

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

6/CMW06

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-20

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-20A52

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: not dec. 20

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|------------|------------------------------|----|---|
| 75-71-8 | Dichlorodifluoromethane | 6 | U |
| 74-87-3 | Chloromethane | 6 | U |
| 75-01-4 | Vinyl Chloride | 6 | U |
| 74-83-9 | Bromomethane | 6 | U |
| 75-00-3 | Chloroethane | 6 | U |
| 75-69-4 | Trichlorofluoromethane | 6 | U |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-15-0 | Carbon disulfide | 6 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 6 | U |
| 67-64-1 | Acetone | 16 | U |
| 75-09-2 | Methylene Chloride | 6 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3 | 2-butanone | 16 | U |
| 67-66-3 | Chloroform | 6 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 16 | U |
| 108-88-3 | Toluene | 6 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4 | Tetrachloroethene | 6 | U |
| 591-78-6 | 2-hexanone | 16 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 106-93-4 | 1,2-Dibromoethane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

68MW0575

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-18

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-18A52

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: not dec. 21

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (u

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 6 | U |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 19 | U |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

61MW09

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-19

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-19A52

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: not dec. 20

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 6 | U |
| 74-87-3----- | Chloromethane | 6 | U |
| 75-01-4----- | Vinyl Chloride | 6 | U |
| 74-83-9----- | Bromomethane | 6 | U |
| 75-00-3----- | Chloroethane | 6 | U |
| 75-69-4----- | Trichlorofluoromethane | 6 | U |
| 75-35-4----- | 1,1-Dichloroethene | 6 | U |
| 75-15-0----- | Carbon disulfide | 6 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 6 | U |
| 67-64-1----- | Acetone | 16 | U |
| 75-09-2----- | Methylene Chloride | 6 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 6 | U |
| 75-34-3----- | 1,1-Dichloroethane | 6 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3----- | 2-butanone | 16 | U |
| 67-66-3----- | Chloroform | 6 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5----- | Carbon Tetrachloride | 6 | U |
| 71-43-2----- | Benzene | 6 | U |
| 107-06-2----- | 1,2-Dichloroethane | 6 | U |
| 79-01-6----- | Trichloroethene | 6 | U |
| 78-87-5----- | 1,2-Dichloropropane | 6 | U |
| 75-27-4----- | Bromodichloromethane | 6 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 16 | U |
| 108-88-3----- | Toluene | 6 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4----- | Tetrachloroethene | 6 | U |
| 591-78-6----- | 2-hexanone | 16 | U |
| 124-48-1----- | Dibromochloromethane | 6 | U |
| 106-93-4----- | 1,2-Dibromoethane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

6/GMW06

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-20

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-20A52

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: not dec. 20

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|----|---|
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 98-82-8 | Isopropyl Benzene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7 | Xylene (total) | 19 | U |
| 79-20-9 | Methyl acetate | 6 | U |
| 110-82-7 | Cyclohexane | 6 | U |
| 108-87-2 | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW11-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-17

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-17A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 9

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 14 | U |
| 75-09-2----- | Methylene Chloride | 4 | JB |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 14 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 14 | U |
| 108-88-3----- | Toluene | 1 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 14 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

3/26/03
2

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

6/GMW09

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-19

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-19A52

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: not dec. 20

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|----|---|
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 98-82-8 | Isopropyl Benzene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7 | Xylene (total) | 19 | U |
| 79-20-9 | Methyl acetate | 6 | U |
| 110-82-7 | Cyclohexane | 6 | U |
| 108-87-2 | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-8

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-8RA59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 1

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|------------|------------------------------|-----|----|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 8 | B |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 0.8 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

3/26/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW11-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-17

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-17A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 9

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 16 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-9

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-9A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 5

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|------------------------------|---|---|
| 75-71-8 | Dichlorodifluoromethane | 5 U | |
| 74-87-3 | Chloromethane | 5 U | |
| 75-01-4 | Vinyl Chloride | 5 U | |
| 74-83-9 | Bromomethane | 5 U | |
| 75-00-3 | Chloroethane | 5 U | |
| 75-69-4 | Trichlorofluoromethane | 5 U | |
| 75-35-4 | 1,1-Dichloroethene | 5 U | |
| 75-15-0 | Carbon disulfide | 5 U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 U | |
| 67-64-1 | Acetone | 9 J | |
| 75-09-2 | Methylene Chloride | 6 B | B |
| 156-60-5 | trans-1,2-Dichloroethene | 5 U | |
| 1634-04-4 | Methyl-tert-butyl ether | 5 U | |
| 75-34-3 | 1,1-Dichloroethane | 5 U | |
| 156-59-2 | cis-1,2-Dichloroethene | 5 U | |
| 78-93-3 | 2-butanone | 13 U | |
| 67-66-3 | Chloroform | 5 U | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 U | |
| 56-23-5 | Carbon Tetrachloride | 5 U | |
| 71-43-2 | Benzene | 5 U | |
| 107-06-2 | 1,2-Dichloroethane | 5 U | |
| 79-01-6 | Trichloroethene | 5 U | |
| 78-87-5 | 1,2-Dichloropropane | 5 U | |
| 75-27-4 | Bromodichloromethane | 5 U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 U | |
| 108-10-1 | 4-Methyl-2-pentanone | 13 U | |
| 108-88-3 | Toluene | 2 JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 U | |
| 79-00-5 | 1,1,2-Trichloroethane | 5 U | |
| 127-18-4 | Tetrachloroethene | 5 U | |
| 591-78-6 | 2-hexanone | 13 U | |
| 124-48-1 | Dibromochloromethane | 5 U | |
| 106-93-4 | 1,2-Dibromoethane | 5 U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-8

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-8RA59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 1

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 15 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-10

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-10A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 20

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|----|----|
| 75-71-8----- | Dichlorodifluoromethane | 6 | U |
| 74-87-3----- | Chloromethane | 6 | U |
| 75-01-4----- | Vinyl Chloride | 6 | U |
| 74-83-9----- | Bromomethane | 6 | U |
| 75-00-3----- | Chloroethane | 6 | U |
| 75-69-4----- | Trichlorofluoromethane | 6 | U |
| 75-35-4----- | 1,1-Dichloroethene | 6 | U |
| 75-15-0----- | Carbon disulfide | 6 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 6 | U |
| 67-64-1----- | Acetone | 16 | U |
| 75-09-2----- | Methylene Chloride | 6 | JB |
| 156-60-5----- | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 6 | U |
| 75-34-3----- | 1,1-Dichloroethane | 6 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3----- | 2-butanone | 16 | U |
| 67-66-3----- | Chloroform | 6 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5----- | Carbon Tetrachloride | 6 | U |
| 71-43-2----- | Benzene | 6 | U |
| 107-06-2----- | 1,2-Dichloroethane | 6 | U |
| 79-01-6----- | Trichloroethene | 6 | U |
| 78-87-5----- | 1,2-Dichloropropane | 6 | U |
| 75-27-4----- | Bromodichloromethane | 6 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 16 | U |
| 108-88-3----- | Toluene | 2 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4----- | Tetrachloroethene | 6 | U |
| 591-78-6----- | 2-hexanone | 16 | U |
| 124-48-1----- | Dibromochloromethane | 6 | U |
| 106-93-4----- | 1,2-Dibromoethane | 6 | U |

FORM I VOA

3/26/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-9

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-9A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 5

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (ul

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 16 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-5

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-5A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 3

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (u

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|------------|------------------------------|----|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 5 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-10

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-10A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 20

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|----|---|
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 98-82-8 | Isopropyl Benzene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7 | Xylene (total) | 19 | U |
| 79-20-9 | Methyl acetate | 6 | U |
| 110-82-7 | Cyclohexane | 6 | U |
| 108-87-2 | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-6

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-6RA59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 8

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|------------|---------------------------------------|----|----|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U | |
| 74-87-3 | Chloromethane | 5 | U | |
| 75-01-4 | Vinyl Chloride | 5 | U | |
| 74-83-9 | Bromomethane | 5 | U | |
| 75-00-3 | Chloroethane | 5 | U | |
| 75-69-4 | Trichlorofluoromethane | 5 | U | |
| 75-35-4 | 1,1-Dichloroethene | 5 | U | |
| 75-15-0 | Carbon disulfide | 5 | U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-trifluoroethane | 1 | J | |
| 67-64-1 | Acetone | 13 | J | |
| 75-09-2 | Methylene Chloride | 5 | JB | B |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U | |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U | |
| 75-34-3 | 1,1-Dichloroethane | 5 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U | |
| 78-93-3 | 2-butanone | 14 | U | |
| 67-66-3 | Chloroform | 5 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U | |
| 56-23-5 | Carbon Tetrachloride | 5 | U | |
| 71-43-2 | Benzene | 5 | U | |
| 107-06-2 | 1,2-Dichloroethane | 5 | U | |
| 79-01-6 | Trichloroethene | 5 | U | |
| 78-87-5 | 1,2-Dichloropropane | 5 | U | |
| 75-27-4 | Bromodichloromethane | 5 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 14 | U | |
| 108-88-3 | Toluene | 3 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U | |
| 127-18-4 | Tetrachloroethene | 5 | U | |
| 591-78-6 | 2-hexanone | 14 | U | |
| 124-48-1 | Dibromochloromethane | 5 | U | |
| 106-93-4 | 1,2-Dibromoethane | 5 | U | |

FORM I VOA

3/2/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-5

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-5A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 3

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 15 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-7

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-7A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 20

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|------------------------------|---|---|
| 75-71-8 | Dichlorodifluoromethane | 6 U | |
| 74-87-3 | Chloromethane | 6 U | |
| 75-01-4 | Vinyl Chloride | 6 U | |
| 74-83-9 | Bromomethane | 6 U | |
| 75-00-3 | Chloroethane | 6 U | |
| 75-69-4 | Trichlorofluoromethane | 6 U | |
| 75-35-4 | 1,1-Dichloroethene | 6 U | |
| 75-15-0 | Carbon disulfide | 6 U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 6 U | |
| 67-64-1 | Acetone | 20 | |
| 75-09-2 | Methylene Chloride | 6 JB | B |
| 156-60-5 | trans-1,2-Dichloroethene | 6 U | |
| 1634-04-4 | Methyl-tert-butyl ether | 6 U | |
| 75-34-3 | 1,1-Dichloroethane | 6 U | |
| 156-59-2 | cis-1,2-Dichloroethene | 6 U | |
| 78-93-3 | 2-butanone | 16 U | |
| 67-66-3 | Chloroform | 6 U | |
| 71-55-6 | 1,1,1-Trichloroethane | 6 U | |
| 56-23-5 | Carbon Tetrachloride | 6 U | |
| 71-43-2 | Benzene | 6 U | |
| 107-06-2 | 1,2-Dichloroethane | 6 U | |
| 79-01-6 | Trichloroethene | 6 U | |
| 78-87-5 | 1,2-Dichloropropane | 6 U | |
| 75-27-4 | Bromodichloromethane | 6 U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 U | |
| 108-10-1 | 4-Methyl-2-pentanone | 16 U | |
| 108-88-3 | Toluene | 2 JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 U | |
| 79-00-5 | 1,1,2-Trichloroethane | 6 U | |
| 127-18-4 | Tetrachloroethene | 6 U | |
| 591-78-6 | 2-hexanone | 16 U | |
| 124-48-1 | Dibromochloromethane | 6 U | |
| 106-93-4 | 1,2-Dibromoethane | 6 U | |

FORM I VOA

3/26/02

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-6

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-6RA59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 8

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (u

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 16 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-2A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 3

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 5 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-7

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-7A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 20

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 6 | U |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 19 | U |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-3A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 5

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|------------------------------|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 1 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 9 | |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-2A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 3

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 15 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-4

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-4A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 17

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|------------------------------|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 6 | U |
| 74-87-3----- | Chloromethane | 6 | U |
| 75-01-4----- | Vinyl Chloride | 6 | U |
| 74-83-9----- | Bromomethane | 6 | U |
| 75-00-3----- | Chloroethane | 6 | U |
| 75-69-4----- | Trichlorofluoromethane | 6 | U |
| 75-35-4----- | 1,1-Dichloroethene | 6 | U |
| 75-15-0----- | Carbon disulfide | 6 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 6 | U |
| 67-64-1----- | Acetone | 8 | J |
| 75-09-2----- | Methylene Chloride | 6 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 6 | U |
| 75-34-3----- | 1,1-Dichloroethane | 6 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3----- | 2-butanone | 15 | U |
| 67-66-3----- | Chloroform | 6 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5----- | Carbon Tetrachloride | 6 | U |
| 71-43-2----- | Benzene | 6 | U |
| 107-06-2----- | 1,2-Dichloroethane | 6 | U |
| 79-01-6----- | Trichloroethene | 6 | U |
| 78-87-5----- | 1,2-Dichloropropane | 6 | U |
| 75-27-4----- | Bromodichloromethane | 6 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 15 | U |
| 108-88-3----- | Toluene | 6 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4----- | Tetrachloroethene | 18 | |
| 591-78-6----- | 2-hexanone | 15 | U |
| 124-48-1----- | Dibromochloromethane | 6 | U |
| 106-93-4----- | 1,2-Dibromoethane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-3A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 5

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 16 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-11

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-11A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 9

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 17 | |
| 75-09-2----- | Methylene Chloride | 5 | JB |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 14 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 14 | U |
| 108-88-3----- | Toluene | 2 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 120 | |
| 591-78-6----- | 2-hexanone | 14 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

3/26/3
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-4

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-4A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 17

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 6 | U |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 18 | U |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-12

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-12A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 9

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | | |
|------------|------------------------------|----|----|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U | |
| 74-87-3 | Chloromethane | 5 | U | |
| 75-01-4 | Vinyl Chloride | 5 | U | |
| 74-83-9 | Bromomethane | 5 | U | |
| 75-00-3 | Chloroethane | 5 | U | |
| 75-69-4 | Trichlorofluoromethane | 5 | U | |
| 75-35-4 | 1,1-Dichloroethene | 5 | U | |
| 75-15-0 | Carbon disulfide | 5 | U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U | |
| 67-64-1 | Acetone | 15 | | |
| 75-09-2 | Methylene Chloride | 5 | JB | B |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U | |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U | |
| 75-34-3 | 1,1-Dichloroethane | 5 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U | |
| 78-93-3 | 2-butanone | 14 | U | |
| 67-66-3 | Chloroform | 5 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U | |
| 56-23-5 | Carbon Tetrachloride | 5 | U | |
| 71-43-2 | Benzene | 5 | U | |
| 107-06-2 | 1,2-Dichloroethane | 5 | U | |
| 79-01-6 | Trichloroethene | 5 | U | |
| 78-87-5 | 1,2-Dichloropropane | 5 | U | |
| 75-27-4 | Bromodichloromethane | 5 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 14 | U | |
| 108-88-3 | Toluene | 2 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U | |
| 127-18-4 | Tetrachloroethene | 5 | J | |
| 591-78-6 | 2-hexanone | 14 | U | |
| 124-48-1 | Dibromochloromethane | 5 | U | |
| 106-93-4 | 1,2-Dibromoethane | 5 | U | |

FORM I VOA

3/26/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-11

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-11A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 9

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|----------------------------------|---|---|
| 108-90-7 | -----Chlorobenzene | 5 | U |
| 100-41-4 | -----Ethylbenzene | 5 | U |
| 100-42-5 | -----Styrene | 5 | U |
| 75-25-2 | -----Bromoform | 5 | U |
| 98-82-8 | -----Isopropyl Benzene | 5 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | -----1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | -----1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | -----1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | -----1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | -----1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7 | -----Xylene (total) | 3 | J |
| 79-20-9 | -----Methyl acetate | 5 | U |
| 110-82-7 | -----Cyclohexane | 5 | U |
| 108-87-2 | -----Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-13

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-13A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 19

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|------------|------------------------------|-----|----|
| 75-71-8 | Dichlorodifluoromethane | 6 | U |
| 74-87-3 | Chloromethane | 6 | U |
| 75-01-4 | Vinyl Chloride | 6 | U |
| 74-83-9 | Bromomethane | 6 | U |
| 75-00-3 | Chloroethane | 6 | U |
| 75-69-4 | Trichlorofluoromethane | 6 | U |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-15-0 | Carbon disulfide | 6 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 0.8 | J |
| 67-64-1 | Acetone | 16 | |
| 75-09-2 | Methylene Chloride | 7 | B |
| 156-60-5 | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3 | 2-butanone | 15 | U |
| 67-66-3 | Chloroform | 6 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 15 | U |
| 108-88-3 | Toluene | 2 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4 | Tetrachloroethene | 13 | |
| 591-78-6 | 2-hexanone | 15 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 106-93-4 | 1,2-Dibromoethane | 6 | U |

FORM I VOA

3/26/03
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-12

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-12A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 9

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 16 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-14A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 6

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|------------------------------|---|----|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 14 | |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 2 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 26 | |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-13

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-13A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 19

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|----|---|
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 98-82-8 | Isopropyl Benzene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7 | Xylene (total) | 19 | U |
| 79-20-9 | Methyl acetate | 6 | U |
| 110-82-7 | Cyclohexane | 6 | U |
| 108-87-2 | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-15

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-15A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 6

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 0.7 | J |
| 67-64-1----- | Acetone | 12 | J |
| 75-09-2----- | Methylene Chloride | 4 | JB |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 2 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-0

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-14A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 6

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 16 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-16

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-16A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 19

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 6 | U |
| 74-87-3----- | Chloromethane | 6 | U |
| 75-01-4----- | Vinyl Chloride | 6 | U |
| 74-83-9----- | Bromomethane | 6 | U |
| 75-00-3----- | Chloroethane | 6 | U |
| 75-69-4----- | Trichlorofluoromethane | 6 | U |
| 75-35-4----- | 1,1-Dichloroethene | 6 | U |
| 75-15-0----- | Carbon disulfide | 6 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 0.8 | J |
| 67-64-1----- | Acetone | 15 | J |
| 75-09-2----- | Methylene Chloride | 7 | B |
| 156-60-5----- | trans-1,2-Dichloroethene | 6 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 6 | U |
| 75-34-3----- | 1,1-Dichloroethane | 6 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 6 | U |
| 78-93-3----- | 2-butanone | 15 | U |
| 67-66-3----- | Chloroform | 6 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5----- | Carbon Tetrachloride | 6 | U |
| 71-43-2----- | Benzene | 6 | U |
| 107-06-2----- | 1,2-Dichloroethane | 6 | U |
| 79-01-6----- | Trichloroethene | 6 | U |
| 78-87-5----- | 1,2-Dichloropropane | 6 | U |
| 75-27-4----- | Bromodichloromethane | 6 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 6 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 15 | U |
| 108-88-3----- | Toluene | 2 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 6 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 6 | U |
| 127-18-4----- | Tetrachloroethene | 3 | J |
| 591-78-6----- | 2-hexanone | 15 | U |
| 124-48-1----- | Dibromochloromethane | 6 | U |
| 106-93-4----- | 1,2-Dibromoethane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-15

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-15A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 6

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 16 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-1

Sample wt/vol: 4.20(g/mL) G

Lab File ID: R2812-1RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 9

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (u

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|----|----|
| 75-71-8----- | Dichlorodifluoromethane | 7 | U |
| 74-87-3----- | Chloromethane | 7 | U |
| 75-01-4----- | Vinyl Chloride | 7 | U |
| 74-83-9----- | Bromomethane | 7 | U |
| 75-00-3----- | Chloroethane | 7 | U |
| 75-69-4----- | Trichlorofluoromethane | 7 | U |
| 75-35-4----- | 1,1-Dichloroethene | 7 | U |
| 75-15-0----- | Carbon disulfide | 6 | J |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 2 | JB |
| 67-64-1----- | Acetone | 16 | J |
| 75-09-2----- | Methylene Chloride | 6 | JB |
| 156-60-5----- | trans-1,2-Dichloroethene | 7 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 7 | U |
| 75-34-3----- | 1,1-Dichloroethane | 7 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 7 | U |
| 78-93-3----- | 2-butanone | 16 | U |
| 67-66-3----- | Chloroform | 7 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 7 | U |
| 56-23-5----- | Carbon Tetrachloride | 7 | U |
| 71-43-2----- | Benzene | 7 | U |
| 107-06-2----- | 1,2-Dichloroethane | 7 | U |
| 79-01-6----- | Trichloroethene | 7 | U |
| 78-87-5----- | 1,2-Dichloropropane | 7 | U |
| 75-27-4----- | Bromodichloromethane | 7 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 7 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 16 | U |
| 108-88-3----- | Toluene | 2 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 7 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 7 | U |
| 127-18-4----- | Tetrachloroethene | 7 | U |
| 591-78-6----- | 2-hexanone | 16 | U |
| 124-48-1----- | Dibromochloromethane | 7 | U |
| 106-93-4----- | 1,2-Dibromoethane | 7 | U |

FORM I VOA

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3/26/03

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-16

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-16A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 19

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 6 | U |
| 100-41-4----- | Ethylbenzene | 6 | U |
| 100-42-5----- | Styrene | 6 | U |
| 75-25-2----- | Bromoform | 6 | U |
| 98-82-8----- | Isopropyl Benzene | 6 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 6 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 6 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 6 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 6 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 6 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 6 | U |
| 1330-20-7----- | Xylene (total) | 19 | U |
| 79-20-9----- | Methyl acetate | 6 | U |
| 110-82-7----- | Cyclohexane | 6 | U |
| 108-87-2----- | Methylcyclohexane | 6 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

66MW058S

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

3/24/03
2

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-18

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-18A52

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: not dec. 21

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. _____ | _____ | _____ | _____ | _____ |
| 2. _____ | _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ | _____ |
| 13. _____ | _____ | _____ | _____ | _____ |
| 14. _____ | _____ | _____ | _____ | _____ |
| 15. _____ | _____ | _____ | _____ | _____ |
| 16. _____ | _____ | _____ | _____ | _____ |
| 17. _____ | _____ | _____ | _____ | _____ |
| 18. _____ | _____ | _____ | _____ | _____ |
| 19. _____ | _____ | _____ | _____ | _____ |
| 20. _____ | _____ | _____ | _____ | _____ |
| 21. _____ | _____ | _____ | _____ | _____ |
| 22. _____ | _____ | _____ | _____ | _____ |
| 23. _____ | _____ | _____ | _____ | _____ |
| 24. _____ | _____ | _____ | _____ | _____ |
| 25. _____ | _____ | _____ | _____ | _____ |
| 26. _____ | _____ | _____ | _____ | _____ |
| 27. _____ | _____ | _____ | _____ | _____ |
| 28. _____ | _____ | _____ | _____ | _____ |
| 29. _____ | _____ | _____ | _____ | _____ |
| 30. _____ | _____ | _____ | _____ | _____ |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-1

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-1

Sample wt/vol: 4.20 (g/mL) G

Lab File ID: R2812-1RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 9

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|---|---|
| 108-90-7 | Chlorobenzene | 7 | U |
| 100-41-4 | Ethylbenzene | 7 | U |
| 100-42-5 | Styrene | 7 | U |
| 75-25-2 | Bromoform | 7 | U |
| 98-82-8 | Isopropyl Benzene | 7 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 7 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 7 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 7 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 7 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 7 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 7 | U |
| 1330-20-7 | Xylene (total) | 3 | J |
| 79-20-9 | Methyl acetate | 7 | U |
| 110-82-7 | Cyclohexane | 7 | U |
| 108-87-2 | Methylcyclohexane | 7 | U |

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3/26/03
2

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

66MW09

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-19

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-19A52

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: not dec. 20

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
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| 19. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

64MW06

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-20

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-20A52

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: not dec. 20

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB01-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-8

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-8RA59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 1

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-MW11-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-17

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-17A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 9

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB01-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-10

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-10A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 20

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB01-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-9

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-9A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 5

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/12/02

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|-------|------------|------|
| 1. 4453-90-1 | 1,4-METHANONAPHTHALENE, 1,4- | 17.28 | 6.10 | NJ J |
| 2. 90-12-0 | NAPHTHALENE, 1-METHYL- | 17.51 | 5.41 | NJ J |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB02-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-6

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-6RA59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 8

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB02-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-5

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-5A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 3

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB03-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-2A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 3

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB02-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-7

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-7A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 20

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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FORM I VOA-TIC

CLIENT SAMPLE NO.

SS-SB03-4

Contract: 8260B

SDG No. : R2812

Lab Sample ID: R2812-4

Lab File ID: R2812-4A52

Date Received: 12/06/02

Date Analyzed: 12/10/02

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

[illegible]

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB03-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-3A52

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 5

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB04-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-12

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-12A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 9

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB04-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-11

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-11A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 9

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-----------------------|-----------------------------------|------------------|------------------|-----------------|
| 1. 526-73-8 | BENZENE, 1,2,3-TRIMETHYL- | 14.15 | 6.11 | NJ J |
| 2. 90-12-0 | LABORATORY ARTIFACT | 14.89 | 10.33 | J |
| 3. 90-12-0 | LABORATORY ARTIFACT | 16.22 | 37.33 | J |
| 4. 90-12-0 | NAPHTHALENE, 2-METHYL- | 17.29 | 9.22 | NJ J |
| 5. 90-12-0 | NAPHTHALENE, 1-METHYL- | 17.51 | 7.31 | NJ J |
| 6. | | | | |
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3/26/07

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB04-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-13

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-13A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 19

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB05-0

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-14A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 6

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------------------------|------------------------|-------|------------|------|
| 1. 275-51-4 | AZULENE | 16.23 | 12.47 | NJ J |
| 2. 90-12-0 91-57-6 | NAPHTHALENE, 2-METHYL- | 17.28 | 8.85 | NJ ↓ |
| 3. 90-12-0 | NAPHTHALENE, 1-METHYL- | 17.51 | 7.37 | NJ ↑ |
| 4. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB05-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-15

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-15A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 6

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB05-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-16

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: R2812-16A59

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: not dec. 19

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW10-1

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-1

Sample wt/vol: 4.20 (g/mL) G

Lab File ID: R2812-1RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. 9

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (u

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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FORM I VOA-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW11-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-17

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-17B64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 360 | U |
| 108-95-2----- | Phenol | 360 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 360 | U |
| 95-57-8----- | 2-Chlorophenol | 360 | U |
| 95-48-7----- | 2-Methylphenol | 360 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 98-86-2----- | Acetophenone | 360 | U |
| 106-44-5----- | 4-Methylphenol | 360 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 360 | U |
| 67-72-1----- | Hexachloroethane | 360 | U |
| 98-95-3----- | Nitrobenzene | 360 | U |
| 78-59-1----- | Isophorone | 360 | U |
| 88-75-5----- | 2-Nitrophenol | 360 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 360 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 360 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 360 | U |
| 91-20-3----- | Naphthalene | 360 | U |
| 106-47-8----- | 4-Chloroaniline | 360 | U |
| 87-68-3----- | Hexachlorobutadiene | 360 | U |
| 105-60-2----- | Caprolactam | 360 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 360 | U |
| 91-57-6----- | 2-Methylnaphthalene | 360 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 360 | U |
| 92-52-4----- | 1,1'-Biphenyl | 360 | U |
| 91-58-7----- | 2-Chloronaphthalene | 360 | U |
| 88-74-4----- | 2-Nitroaniline | 730 | U |
| 131-11-3----- | Dimethylphthalate | 360 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 360 | U |
| 208-96-8----- | Acenaphthylene | 360 | U |
| 99-09-2----- | 3-Nitroaniline | 730 | U |
| 83-32-9----- | Acenaphthene | 360 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-MW11-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-17

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-17B64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 730 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U |
| 132-64-9----- | Dibenzofuran | 360 | U |
| 84-66-2----- | Diethylphthalate | 360 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7----- | Fluorene | 360 | U |
| 100-01-6----- | 4-Nitroaniline | 730 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 730 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 360 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1----- | Hexachlorobenzene | 360 | U |
| 1912-24-9----- | Atrazine | 360 | U |
| 87-86-5----- | Pentachlorophenol | 360 | U |
| 85-01-8----- | Phenanthrene | 360 | U |
| 120-12-7----- | Anthracene | 360 | U |
| 86-74-8----- | Carbazole | 360 | U |
| 84-74-2----- | Di-n-butylphthalate | 360 | U |
| 206-44-0----- | Fluoranthene | 360 | U |
| 129-00-0----- | Pyrene | 360 | U |
| 85-68-7----- | Butylbenzylphthalate | 360 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 360 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 45 | J |
| 56-55-3----- | Benzo(a)anthracene | 360 | U |
| 218-01-9----- | Chrysene | 360 | U |
| 117-84-0----- | Di-n-octylphthalate | 360 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 360 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 360 | U |
| 50-32-8----- | Benzo(a)pyrene | 360 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 360 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 360 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 360 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-8

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-8A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 1 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 330 | U |
| 108-95-2----- | Phenol | 330 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 330 | U |
| 95-57-8----- | 2-Chlorophenol | 330 | U |
| 95-48-7----- | 2-Methylphenol | 330 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 330 | U |
| 98-86-2----- | Acetophenone | 330 | U |
| 106-44-5----- | 4-Methylphenol | 330 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 330 | U |
| 67-72-1----- | Hexachloroethane | 330 | U |
| 98-95-3----- | Nitrobenzene | 330 | U |
| 78-59-1----- | Isophorone | 330 | U |
| 88-75-5----- | 2-Nitrophenol | 330 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 330 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 330 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 330 | U |
| 91-20-3----- | Naphthalene | 330 | U |
| 106-47-8----- | 4-Chloroaniline | 330 | U |
| 87-68-3----- | Hexachlorobutadiene | 330 | U |
| 105-60-2----- | Caprolactam | 330 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 330 | U |
| 91-57-6----- | 2-Methylnaphthalene | 34 | J |
| 77-47-4----- | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 330 | U |
| 92-52-4----- | 1,1'-Biphenyl | 330 | U |
| 91-58-7----- | 2-Chloronaphthalene | 330 | U |
| 88-74-4----- | 2-Nitroaniline | 670 | U |
| 131-11-3----- | Dimethylphthalate | 330 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 330 | U |
| 208-96-8----- | Acenaphthylene | 81 | J |
| 99-09-2----- | 3-Nitroaniline | 670 | U |
| 83-32-9----- | Acenaphthene | 49 | J |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-8

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-8A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 1 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 670 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 330 | U |
| 132-64-9----- | Dibenzofuran | 30 | J |
| 84-66-2----- | Diethylphthalate | 330 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 330 | U |
| 86-73-7----- | Fluorene | 94 | J |
| 100-01-6----- | 4-Nitroaniline | 670 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 670 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 330 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1----- | Hexachlorobenzene | 330 | U |
| 1912-24-9----- | Atrazine | 330 | U |
| 87-86-5----- | Pentachlorophenol | 330 | U |
| 85-01-8----- | Phenanthrene | 390 | |
| 120-12-7----- | Anthracene | 76 | J |
| 86-74-8----- | Carbazole | 330 | U |
| 84-74-2----- | Di-n-butylphthalate | 330 | U |
| 206-44-0----- | Fluoranthene | 370 | |
| 129-00-0----- | Pyrene | 740 | |
| 85-68-7----- | Butylbenzylphthalate | 330 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 330 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 84 | J |
| 56-55-3----- | Benzo(a)anthracene | 210 | J |
| 218-01-9----- | Chrysene | 210 | J |
| 117-84-0----- | Di-n-octylphthalate | 280 | J |
| 205-99-2----- | Benzo(b)fluoranthene | 240 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 210 | J |
| 50-32-8----- | Benzo(a)pyrene | 170 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 150 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 46 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 140 | J |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-9

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-9A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|----------|------------------------------|---|---|
| 100-52-7 | Benzaldehyde | 350 | U |
| 108-95-2 | Phenol | 350 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 350 | U |
| 95-57-8 | 2-Chlorophenol | 350 | U |
| 95-48-7 | 2-Methylphenol | 350 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 98-86-2 | Acetophenone | 350 | U |
| 106-44-5 | 4-Methylphenol | 350 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 350 | U |
| 67-72-1 | Hexachloroethane | 350 | U |
| 98-95-3 | Nitrobenzene | 350 | U |
| 78-59-1 | Isophorone | 350 | U |
| 88-75-5 | 2-Nitrophenol | 350 | U |
| 105-67-9 | 2,4-Dimethylphenol | 350 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 350 | U |
| 120-83-2 | 2,4-Dichlorophenol | 350 | U |
| 91-20-3 | Naphthalene | 350 | U |
| 106-47-8 | 4-Chloroaniline | 350 | U |
| 87-68-3 | Hexachlorobutadiene | 350 | U |
| 105-60-2 | Caprolactam | 350 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 350 | U |
| 91-57-6 | 2-Methylnaphthalene | 75 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 350 | U |
| 92-52-4 | 1,1'-Biphenyl | 26 | J |
| 91-58-7 | 2-Chloronaphthalene | 350 | U |
| 88-74-4 | 2-Nitroaniline | 690 | U |
| 131-11-3 | Dimethylphthalate | 350 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 350 | U |
| 208-96-8 | Acenaphthylene | 140 | J |
| 99-09-2 | 3-Nitroaniline | 690 | U |
| 83-32-9 | Acenaphthene | 85 | J |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-9

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-9A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 690 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 132-64-9----- | Dibenzofuran | 54 | J |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 170 | J |
| 100-01-6----- | 4-Nitroaniline | 690 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 690 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 1912-24-9----- | Atrazine | 350 | U |
| 87-86-5----- | Pentachlorophenol | 350 | U |
| 85-01-8----- | Phenanthrene | 810 | |
| 120-12-7----- | Anthracene | 150 | J |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 620 | |
| 129-00-0----- | Pyrene | 1200 | |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 350 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 290 | J |
| 56-55-3----- | Benzo(a)anthracene | 340 | J |
| 218-01-9----- | Chrysene | 340 | J |
| 117-84-0----- | Di-n-octylphthalate | 32 | J |
| 205-99-2----- | Benzo(b)fluoranthene | 300 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 360 | |
| 50-32-8----- | Benzo(a)pyrene | 270 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 200 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 67 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 190 | J |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-10A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 410 | U |
| 108-95-2----- | Phenol | 410 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 410 | U |
| 95-57-8----- | 2-Chlorophenol | 410 | U |
| 95-48-7----- | 2-Methylphenol | 410 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 410 | U |
| 98-86-2----- | Acetophenone | 410 | U |
| 106-44-5----- | 4-Methylphenol | 410 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 410 | U |
| 67-72-1----- | Hexachloroethane | 410 | U |
| 98-95-3----- | Nitrobenzene | 410 | U |
| 78-59-1----- | Isophorone | 410 | U |
| 88-75-5----- | 2-Nitrophenol | 410 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 410 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 410 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 410 | U |
| 91-20-3----- | Naphthalene | 410 | U |
| 106-47-8----- | 4-Chloroaniline | 410 | U |
| 87-68-3----- | Hexachlorobutadiene | 410 | U |
| 105-60-2----- | Caprolactam | 410 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 410 | U |
| 91-57-6----- | 2-Methylnaphthalene | 410 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 410 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 410 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 410 | U |
| 92-52-4----- | 1,1'-Biphenyl | 410 | U |
| 91-58-7----- | 2-Chloronaphthalene | 410 | U |
| 88-74-4----- | 2-Nitroaniline | 830 | U |
| 131-11-3----- | Dimethylphthalate | 410 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 410 | U |
| 208-96-8----- | Acenaphthylene | 36 | J |
| 99-09-2----- | 3-Nitroaniline | 830 | U |
| 83-32-9----- | Acenaphthene | 410 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB01-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-10A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 2100 | U |
| 100-02-7----- | 4-Nitrophenol | 830 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 410 | U |
| 132-64-9----- | Dibenzofuran | 410 | U |
| 84-66-2----- | Diethylphthalate | 410 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 410 | U |
| 86-73-7----- | Fluorene | 28 | J |
| 100-01-6----- | 4-Nitroaniline | 830 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 830 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 410 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 410 | U |
| 118-74-1----- | Hexachlorobenzene | 410 | U |
| 1912-24-9----- | Atrazine | 410 | U |
| 87-86-5----- | Pentachlorophenol | 410 | U |
| 85-01-8----- | Phenanthrene | 150 | J |
| 120-12-7----- | Anthracene | 33 | J |
| 86-74-8----- | Carbazole | 410 | U |
| 84-74-2----- | Di-n-butylphthalate | 410 | U |
| 206-44-0----- | Fluoranthene | 150 | J |
| 129-00-0----- | Pyrene | 330 | J |
| 85-68-7----- | Butylbenzylphthalate | 410 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 410 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 390 | J |
| 56-55-3----- | Benzo(a)anthracene | 93 | J |
| 218-01-9----- | Chrysene | 92 | J |
| 117-84-0----- | Di-n-octylphthalate | 410 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 110 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 91 | J |
| 50-32-8----- | Benzo(a)pyrene | 72 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 65 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 410 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 64 | J |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-0

Lab Name: COMPUCHEM Method: 8270C
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2812
Matrix: (soil/water) SOIL Lab Sample ID: R2812-5
Sample wt/vol: 30.0 (g/mL) G Lab File ID: R2812-5A64
Level: (low/med) LOW Date Received: 12/06/02
% Moisture: 3 decanted: (Y/N) N Date Extracted: 12/10/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/02
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 340 | U |
| 108-95-2----- | Phenol | 340 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 340 | U |
| 95-57-8----- | 2-Chlorophenol | 340 | U |
| 95-48-7----- | 2-Methylphenol | 340 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 340 | U |
| 98-86-2----- | Acetophenone | 340 | U |
| 106-44-5----- | 4-Methylphenol | 340 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 340 | U |
| 67-72-1----- | Hexachloroethane | 340 | U |
| 98-95-3----- | Nitrobenzene | 340 | U |
| 78-59-1----- | Isophorone | 340 | U |
| 88-75-5----- | 2-Nitrophenol | 340 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 340 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 340 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 340 | U |
| 91-20-3----- | Naphthalene | 340 | U |
| 106-47-8----- | 4-Chloroaniline | 340 | U |
| 87-68-3----- | Hexachlorobutadiene | 340 | U |
| 105-60-2----- | Caprolactam | 340 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 340 | U |
| 91-57-6----- | 2-Methylnaphthalene | 340 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 340 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 340 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 340 | U |
| 92-52-4----- | 1,1'-Biphenyl | 340 | U |
| 91-58-7----- | 2-Chloronaphthalene | 340 | U |
| 88-74-4----- | 2-Nitroaniline | 680 | U |
| 131-11-3----- | Dimethylphthalate | 340 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 340 | U |
| 208-96-8----- | Acenaphthylene | 250 | J |
| 99-09-2----- | 3-Nitroaniline | 680 | U |
| 83-32-9----- | Acenaphthene | 340 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-5

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-5A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 680 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 340 | U |
| 132-64-9----- | Dibenzofuran | 340 | U |
| 84-66-2----- | Diethylphthalate | 340 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 340 | U |
| 86-73-7----- | Fluorene | 25 | J |
| 100-01-6----- | 4-Nitroaniline | 680 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 680 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 340 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 340 | U |
| 118-74-1----- | Hexachlorobenzene | 340 | U |
| 1912-24-9----- | Atrazine | 340 | U |
| 87-86-5----- | Pentachlorophenol | 340 | U |
| 85-01-8----- | Phenanthrene | 410 | |
| 120-12-7----- | Anthracene | 150 | J |
| 86-74-8----- | Carbazole | 340 | U |
| 84-74-2----- | Di-n-butylphthalate | 340 | U |
| 206-44-0----- | Fluoranthene | 530 | |
| 129-00-0----- | Pyrene | 920 | |
| 85-68-7----- | Butylbenzylphthalate | 340 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 340 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 91 | J |
| 56-55-3----- | Benzo(a) anthracene | 320 | J |
| 218-01-9----- | Chrysene | 410 | |
| 117-84-0----- | Di-n-octylphthalate | 210 | J |
| 205-99-2----- | Benzo(b) fluoranthene | 750 | |
| 207-08-9----- | Benzo(k) fluoranthene | 500 | |
| 50-32-8----- | Benzo(a) pyrene | 430 | |
| 193-39-5----- | Indeno(1,2,3-cd) pyrene | 520 | |
| 53-70-3----- | Dibenzo(a,h) anthracene | 160 | J |
| 191-24-2----- | Benzo(g,h,i) perylene | 550 | |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-6

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-6A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 360 | U |
| 108-95-2----- | Phenol | 360 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 360 | U |
| 95-57-8----- | 2-Chlorophenol | 360 | U |
| 95-48-7----- | 2-Methylphenol | 360 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 98-86-2----- | Acetophenone | 360 | U |
| 106-44-5----- | 4-Methylphenol | 360 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 360 | U |
| 67-72-1----- | Hexachloroethane | 360 | U |
| 98-95-3----- | Nitrobenzene | 360 | U |
| 78-59-1----- | Isophorone | 360 | U |
| 88-75-5----- | 2-Nitrophenol | 360 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 360 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 360 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 360 | U |
| 91-20-3----- | Naphthalene | 360 | U |
| 106-47-8----- | 4-Chloroaniline | 360 | U |
| 87-68-3----- | Hexachlorobutadiene | 360 | U |
| 105-60-2----- | Caprolactam | 360 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 360 | U |
| 91-57-6----- | 2-Methylnaphthalene | 360 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 360 | U |
| 92-52-4----- | 1,1'-Biphenyl | 360 | U |
| 91-58-7----- | 2-Chloronaphthalene | 360 | U |
| 88-74-4----- | 2-Nitroaniline | 720 | U |
| 131-11-3----- | Dimethylphthalate | 360 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 360 | U |
| 208-96-8----- | Acenaphthylene | 360 | U |
| 99-09-2----- | 3-Nitroaniline | 720 | U |
| 83-32-9----- | Acenaphthene | 360 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-6

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-6A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 720 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U |
| 132-64-9----- | Dibenzofuran | 360 | U |
| 84-66-2----- | Diethylphthalate | 360 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7----- | Fluorene | 360 | U |
| 100-01-6----- | 4-Nitroaniline | 720 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 720 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 360 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1----- | Hexachlorobenzene | 360 | U |
| 1912-24-9----- | Atrazine | 360 | U |
| 87-86-5----- | Pentachlorophenol | 360 | U |
| 85-01-8----- | Phenanthrene | 29 | J |
| 120-12-7----- | Anthracene | 360 | U |
| 86-74-8----- | Carbazole | 360 | U |
| 84-74-2----- | Di-n-butylphthalate | 360 | U |
| 206-44-0----- | Fluoranthene | 37 | J |
| 129-00-0----- | Pyrene | 50 | J |
| 85-68-7----- | Butylbenzylphthalate | 360 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 360 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 130 | J |
| 56-55-3----- | Benzo(a)anthracene | 360 | U |
| 218-01-9----- | Chrysene | 360 | U |
| 117-84-0----- | Di-n-octylphthalate | 360 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 360 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 360 | U |
| 50-32-8----- | Benzo(a)pyrene | 360 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 25 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 360 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 26 | J |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-7

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-7A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 410 | U |
| 108-95-2 | Phenol | 410 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 410 | U |
| 95-57-8 | 2-Chlorophenol | 410 | U |
| 95-48-7 | 2-Methylphenol | 410 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 410 | U |
| 98-86-2 | Acetophenone | 410 | U |
| 106-44-5 | 4-Methylphenol | 410 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 410 | U |
| 67-72-1 | Hexachloroethane | 410 | U |
| 98-95-3 | Nitrobenzene | 410 | U |
| 78-59-1 | Isophorone | 410 | U |
| 88-75-5 | 2-Nitrophenol | 410 | U |
| 105-67-9 | 2,4-Dimethylphenol | 410 | U |
| 111-91-1 | Bis(2-chloroethoxy)methane | 410 | U |
| 120-83-2 | 2,4-Dichlorophenol | 410 | U |
| 91-20-3 | Naphthalene | 410 | U |
| 106-47-8 | 4-Chloroaniline | 410 | U |
| 87-68-3 | Hexachlorobutadiene | 410 | U |
| 105-60-2 | Caprolactam | 410 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 410 | U |
| 91-57-6 | 2-Methylnaphthalene | 410 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 410 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 410 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 410 | U |
| 92-52-4 | 1,1'-Biphenyl | 410 | U |
| 91-58-7 | 2-Chloronaphthalene | 410 | U |
| 88-74-4 | 2-Nitroaniline | 830 | U |
| 131-11-3 | Dimethylphthalate | 410 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 51 | J |
| 208-96-8 | Acenaphthylene | 33 | J |
| 99-09-2 | 3-Nitroaniline | 830 | U |
| 83-32-9 | Acenaphthene | 410 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB02-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-7

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-7A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 2100 | U |
| 100-02-7----- | 4-Nitrophenol | 830 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 130 | J |
| 132-64-9----- | Dibenzofuran | 410 | U |
| 84-66-2----- | Diethylphthalate | 410 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 410 | U |
| 86-73-7----- | Fluorene | 410 | U |
| 100-01-6----- | 4-Nitroaniline | 830 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 830 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 150 | J |
| 101-55-3----- | 4-Bromophenyl-phenylether | 410 | U |
| 118-74-1----- | Hexachlorobenzene | 410 | U |
| 1912-24-9----- | Atrazine | 410 | U |
| 87-86-5----- | Pentachlorophenol | 410 | U |
| 85-01-8----- | Phenanthrene | 70 | J |
| 120-12-7----- | Anthracene | 410 | U |
| 86-74-8----- | Carbazole | 410 | U |
| 84-74-2----- | Di-n-butylphthalate | 410 | U |
| 206-44-0----- | Fluoranthene | 95 | J |
| 129-00-0----- | Pyrene | 130 | J |
| 85-68-7----- | Butylbenzylphthalate | 410 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 410 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 180 | J |
| 56-55-3----- | Benzo(a)anthracene | 45 | J |
| 218-01-9----- | Chrysene | 50 | J |
| 117-84-0----- | Di-n-octylphthalate | 410 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 90 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 62 | J |
| 50-32-8----- | Benzo(a)pyrene | 49 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 55 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 410 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 58 | J |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-2A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------------|------|---|
| 100-52-7 | Benzaldehyde | 340 | U |
| 108-95-2 | Phenol | 340 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 340 | U |
| 95-57-8 | 2-Chlorophenol | 340 | U |
| 95-48-7 | 2-Methylphenol | 340 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 340 | U |
| 98-86-2 | Acetophenone | 340 | U |
| 106-44-5 | 4-Methylphenol | 340 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 340 | U |
| 67-72-1 | Hexachloroethane | 340 | U |
| 98-95-3 | Nitrobenzene | 340 | U |
| 78-59-1 | Isophorone | 340 | U |
| 88-75-5 | 2-Nitrophenol | 340 | U |
| 105-67-9 | 2,4-Dimethylphenol | 340 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 340 | U |
| 120-83-2 | 2,4-Dichlorophenol | 340 | U |
| 91-20-3 | Naphthalene | 340 | J |
| 106-47-8 | 4-Chloroaniline | 340 | U |
| 87-68-3 | Hexachlorobutadiene | 340 | U |
| 105-60-2 | Caprolactam | 340 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 340 | U |
| 91-57-6 | 2-Methylnaphthalene | 1000 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 340 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 340 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 340 | U |
| 92-52-4 | 1,1'-Biphenyl | 250 | J |
| 91-58-7 | 2-Chloronaphthalene | 340 | U |
| 88-74-4 | 2-Nitroaniline | 680 | U |
| 131-11-3 | Dimethylphthalate | 340 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 340 | U |
| 208-96-8 | Acenaphthylene | 1700 | U |
| 99-09-2 | 3-Nitroaniline | 680 | U |
| 83-32-9 | Acenaphthene | 560 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-2A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|-----------|-----|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 680 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 340 | U |
| 132-64-9----- | Dibenzofuran | 390 | |
| 84-66-2----- | Diethylphthalate | 340 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 340 | U |
| 86-73-7----- | Fluorene | 1400 | |
| 100-01-6----- | 4-Nitroaniline | 680 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 680 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 340 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 340 | U |
| 118-74-1----- | Hexachlorobenzene | 340 | U |
| 1912-24-9----- | Atrazine | 340 | U |
| 87-86-5----- | Pentachlorophenol | 340 | U |
| 85-01-8----- | Phenanthrene | 4500 9000 | E D |
| 120-12-7----- | Anthracene | 2000 | |
| 86-74-8----- | Carbazole | 490 | |
| 84-74-2----- | Di-n-butylphthalate | 340 | U |
| 206-44-0----- | Fluoranthene | 9800 9300 | E D |
| 129-00-0----- | Pyrene | 16000 | E D |
| 85-68-7----- | Butylbenzylphthalate | 340 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 290 | J |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 200 | J |
| 56-55-3----- | Benzo(a)anthracene | 5600 5700 | E D |
| 218-01-9----- | Chrysene | 6000 6400 | E D |
| 117-84-0----- | Di-n-octylphthalate | 24 | J |
| 205-99-2----- | Benzo(b)fluoranthene | 6500 7300 | E D |
| 207-08-9----- | Benzo(k)fluoranthene | 4100 | |
| 50-32-8----- | Benzo(a)pyrene | 5500 5600 | E D |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 3600 | |
| 53-70-3----- | Dibenzo(a,h)anthracene | 1500 | |
| 191-24-2----- | Benzo(g,h,i)perylene | 3700 | |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-0DL

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-2DB64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------------|------|----|
| 100-52-7 | Benzaldehyde | 1700 | U |
| 108-95-2 | Phenol | 1700 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 1700 | U |
| 95-57-8 | 2-Chlorophenol | 1700 | U |
| 95-48-7 | 2-Methylphenol | 1700 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 1700 | U |
| 98-86-2 | Acetophenone | 1700 | U |
| 106-44-5 | 4-Methylphenol | 1700 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 1700 | U |
| 67-72-1 | Hexachloroethane | 1700 | U |
| 98-95-3 | Nitrobenzene | 1700 | U |
| 78-59-1 | Isophorone | 1700 | U |
| 88-75-5 | 2-Nitrophenol | 1700 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1700 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 1700 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1700 | U |
| 91-20-3 | Naphthalene | 370 | DJ |
| 106-47-8 | 4-Chloroaniline | 1700 | U |
| 87-68-3 | Hexachlorobutadiene | 1700 | U |
| 105-60-2 | Caprolactam | 1700 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 1700 | U |
| 91-57-6 | 2-Methylnaphthalene | 940 | DJ |
| 77-47-4 | Hexachlorocyclopentadiene | 1700 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1700 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1700 | U |
| 92-52-4 | 1,1'-Biphenyl | 210 | DJ |
| 91-58-7 | 2-Chloronaphthalene | 1700 | U |
| 88-74-4 | 2-Nitroaniline | 3400 | U |
| 131-11-3 | Dimethylphthalate | 1700 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1700 | U |
| 208-96-8 | Acenaphthylene | 1600 | DJ |
| 99-09-2 | 3-Nitroaniline | 3400 | U |
| 83-32-9 | Acenaphthene | 500 | DJ |

FORM I SV

8270C

3/16/03

38

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-0DL

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-2DB64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|-------|----|
| 51-28-5----- | 2,4-Dinitrophenol | 8600 | U |
| 100-02-7----- | 4-Nitrophenol | 3400 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 1700 | U |
| 132-64-9----- | Dibenzofuran | 430 | DJ |
| 84-66-2----- | Diethylphthalate | 1700 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 1700 | U |
| 86-73-7----- | Fluorene | 1500 | DJ |
| 100-01-6----- | 4-Nitroaniline | 3400 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 3400 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 1700 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 1700 | U |
| 118-74-1----- | Hexachlorobenzene | 1700 | U |
| 1912-24-9----- | Atrazine | 1700 | U |
| 87-86-5----- | Pentachlorophenol | 1700 | U |
| 85-01-8----- | Phenanthrene | 9500 | D |
| 120-12-7----- | Anthracene | 2200 | D |
| 86-74-8----- | Carbazole | 510 | DJ |
| 84-74-2----- | Di-n-butylphthalate | 1700 | U |
| 206-44-0----- | Fluoranthene | 9800 | D |
| 129-00-0----- | Pyrene | 16000 | D |
| 85-68-7----- | Butylbenzylphthalate | 1700 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 1700 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 200 | DJ |
| 56-55-3----- | Benzo(a)anthracene | 5600 | D |
| 218-01-9----- | Chrysene | 6000 | D |
| 117-84-0----- | Di-n-octylphthalate | 1700 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 6500 | D |
| 207-08-9----- | Benzo(k)fluoranthene | 5300 | D |
| 50-32-8----- | Benzo(a)pyrene | 5500 | D |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 3600 | D |
| 53-70-3----- | Dibenzo(a,h)anthracene | 1300 | DJ |
| 191-24-2----- | Benzo(g,h,i)perylene | 3700 | D |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

39

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-3A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 350 | U |
| 108-95-2----- | Phenol | 350 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 350 | U |
| 95-57-8----- | 2-Chlorophenol | 350 | U |
| 95-48-7----- | 2-Methylphenol | 350 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 98-86-2----- | Acetophenone | 350 | U |
| 106-44-5----- | 4-Methylphenol | 350 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 350 | U |
| 67-72-1----- | Hexachloroethane | 350 | U |
| 98-95-3----- | Nitrobenzene | 350 | U |
| 78-59-1----- | Isophorone | 350 | U |
| 88-75-5----- | 2-Nitrophenol | 350 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 350 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 350 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 350 | U |
| 91-20-3----- | Naphthalene | 350 | U |
| 106-47-8----- | 4-Chloroaniline | 350 | U |
| 87-68-3----- | Hexachlorobutadiene | 350 | U |
| 105-60-2----- | Caprolactam | 350 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 350 | U |
| 91-57-6----- | 2-Methylnaphthalene | 51 | J |
| 77-47-4----- | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 350 | U |
| 92-52-4----- | 1,1'-Biphenyl | 350 | U |
| 91-58-7----- | 2-Chloronaphthalene | 350 | U |
| 88-74-4----- | 2-Nitroaniline | 690 | U |
| 131-11-3----- | Dimethylphthalate | 350 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 350 | U |
| 208-96-8----- | Acenaphthylene | 130 | J |
| 99-09-2----- | 3-Nitroaniline | 690 | U |
| 83-32-9----- | Acenaphthene | 350 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-3A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|-----|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 690 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 132-64-9----- | Dibenzofuran | 350 | U |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 80 | J |
| 100-01-6----- | 4-Nitroaniline | 690 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 690 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 1912-24-9----- | Atrazine | 350 | U |
| 87-86-5----- | Pentachlorophenol | 350 | U |
| 85-01-8----- | Phenanthrene | 530 | |
| 120-12-7----- | Anthracene | 120 | J |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 660 | |
| 129-00-0----- | Pyrene | 1000 | |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 350 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 160 | J |
| 56-55-3----- | Benzo(a)anthracene | 420 | |
| 218-01-9----- | Chrysene | 450 | |
| 117-84-0----- | Di-n-octylphthalate | 350 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 660 | X J |
| 207-08-9----- | Benzo(k)fluoranthene | 680 | X J |
| 50-32-8----- | Benzo(a)pyrene | 330 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 260 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 110 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 270 | J |

4/11/03
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(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-4

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-4A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 17 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 400 | U |
| 108-95-2 | Phenol | 400 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 400 | U |
| 95-57-8 | 2-Chlorophenol | 400 | U |
| 95-48-7 | 2-Methylphenol | 400 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 400 | U |
| 98-86-2 | Acetophenone | 400 | U |
| 106-44-5 | 4-Methylphenol | 400 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 400 | U |
| 67-72-1 | Hexachloroethane | 400 | U |
| 98-95-3 | Nitrobenzene | 400 | U |
| 78-59-1 | Isophorone | 400 | U |
| 88-75-5 | 2-Nitrophenol | 400 | U |
| 105-67-9 | 2,4-Dimethylphenol | 400 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 400 | U |
| 120-83-2 | 2,4-Dichlorophenol | 400 | U |
| 91-20-3 | Naphthalene | 400 | U |
| 106-47-8 | 4-Chloroaniline | 400 | U |
| 87-68-3 | Hexachlorobutadiene | 400 | U |
| 105-60-2 | Caprolactam | 400 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 400 | U |
| 91-57-6 | 2-Methylnaphthalene | 400 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 400 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 400 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 400 | U |
| 92-52-4 | 1,1'-Biphenyl | 400 | U |
| 91-58-7 | 2-Chloronaphthalene | 400 | U |
| 88-74-4 | 2-Nitroaniline | 800 | U |
| 131-11-3 | Dimethylphthalate | 400 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 400 | U |
| 208-96-8 | Acenaphthylene | 32 | J |
| 99-09-2 | 3-Nitroaniline | 800 | U |
| 83-32-9 | Acenaphthene | 400 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB03-4

Lab Name: COMPUCHEM Method: 8270C
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2812
Matrix: (soil/water) SOIL Lab Sample ID: R2812-4
Sample wt/vol: 30.0 (g/mL) G Lab File ID: R2812-4A64
Level: (low/med) LOW Date Received: 12/06/02
% Moisture: 17 decanted: (Y/N) N Date Extracted: 12/10/02
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/02
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 2000 | U |
| 100-02-7----- | 4-Nitrophenol | 800 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 400 | U |
| 132-64-9----- | Dibenzofuran | 400 | U |
| 84-66-2----- | Diethylphthalate | 400 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 400 | U |
| 86-73-7----- | Fluorene | 400 | U |
| 100-01-6----- | 4-Nitroaniline | 800 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 800 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 400 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 400 | U |
| 118-74-1----- | Hexachlorobenzene | 400 | U |
| 1912-24-9----- | Atrazine | 400 | U |
| 87-86-5----- | Pentachlorophenol | 400 | U |
| 85-01-8----- | Phenanthrene | 120 | J |
| 120-12-7----- | Anthracene | 400 | U |
| 86-74-8----- | Carbazole | 400 | U |
| 84-74-2----- | Di-n-butylphthalate | 400 | U |
| 206-44-0----- | Fluoranthene | 150 | J |
| 129-00-0----- | Pyrene | 220 | J |
| 85-68-7----- | Butylbenzylphthalate | 400 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 400 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 260 | J |
| 56-55-3----- | Benzo(a)anthracene | 83 | J |
| 218-01-9----- | Chrysene | 97 | J |
| 117-84-0----- | Di-n-octylphthalate | 43 | J |
| 205-99-2----- | Benzo(b)fluoranthene | 80 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 79 | J |
| 50-32-8----- | Benzo(a)pyrene | 58 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 52 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 400 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 56 | J |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-11DA64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 3.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|------|---|
| 100-52-7----- | Benzaldehyde | 1100 | U |
| 108-95-2----- | Phenol | 1100 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 1100 | U |
| 95-57-8----- | 2-Chlorophenol | 1100 | U |
| 95-48-7----- | 2-Methylphenol | 1100 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 1100 | U |
| 98-86-2----- | Acetophenone | 1100 | U |
| 106-44-5----- | 4-Methylphenol | 1100 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 1100 | U |
| 67-72-1----- | Hexachloroethane | 1100 | U |
| 98-95-3----- | Nitrobenzene | 1100 | U |
| 78-59-1----- | Isophorone | 1100 | U |
| 88-75-5----- | 2-Nitrophenol | 1100 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 1100 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 1100 | U |
| 91-20-3----- | Naphthalene | 190 | J |
| 106-47-8----- | 4-Chloroaniline | 1100 | U |
| 87-68-3----- | Hexachlorobutadiene | 1100 | U |
| 105-60-2----- | Caprolactam | 1100 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6----- | 2-Methylnaphthalene | 510 | J |
| 77-47-4----- | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 1100 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1100 | U |
| 92-52-4----- | 1,1'-Biphenyl | 120 | J |
| 91-58-7----- | 2-Chloronaphthalene | 1100 | U |
| 88-74-4----- | 2-Nitroaniline | 2200 | U |
| 131-11-3----- | Dimethylphthalate | 1100 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 1100 | U |
| 208-96-8----- | Acenaphthylene | 1400 | |
| 99-09-2----- | 3-Nitroaniline | 2200 | U |
| 83-32-9----- | Acenaphthene | 240 | J |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-11DA64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: _____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|-------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 5500 | U |
| 100-02-7----- | 4-Nitrophenol | 2200 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 1100 | U |
| 132-64-9----- | Dibenzofuran | 300 | J |
| 84-66-2----- | Diethylphthalate | 1100 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 1100 | U |
| 86-73-7----- | Fluorene | 500 | J |
| 100-01-6----- | 4-Nitroaniline | 2200 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 2200 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 1100 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1----- | Hexachlorobenzene | 1100 | U |
| 1912-24-9----- | Atrazine | 1100 | U |
| 87-86-5----- | Pentachlorophenol | 1100 | U |
| 85-01-8----- | Phenanthrene | 4500 | |
| 120-12-7----- | Anthracene | 1100 | J |
| 86-74-8----- | Carbazole | 150 | J |
| 84-74-2----- | Di-n-butylphthalate | 1100 | U |
| 206-44-0----- | Fluoranthene | 6300 | |
| 129-00-0----- | Pyrene | 11000 | |
| 85-68-7----- | Butylbenzylphthalate | 1100 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 1100 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 1100 | U |
| 56-55-3----- | Benzo(a) anthracene | 4300 | |
| 218-01-9----- | Chrysene | 5000 | |
| 117-84-0----- | Di-n-octylphthalate | 1100 | U |
| 205-99-2----- | Benzo(b) fluoranthene | 5100 | |
| 207-08-9----- | Benzo(k) fluoranthene | 3600 | |
| 50-32-8----- | Benzo(a) pyrene | 4000 | |
| 193-39-5----- | Indeno(1,2,3-cd) pyrene | 2600 | |
| 53-70-3----- | Dibenzo(a,h) anthracene | 910 | J |
| 191-24-2----- | Benzo(g,h,i) perylene | 2500 | |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-12A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 360 | U |
| 108-95-2----- | Phenol | 360 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 360 | U |
| 95-57-8----- | 2-Chlorophenol | 360 | U |
| 95-48-7----- | 2-Methylphenol | 360 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 98-86-2----- | Acetophenone | 360 | U |
| 106-44-5----- | 4-Methylphenol | 360 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 360 | U |
| 67-72-1----- | Hexachloroethane | 360 | U |
| 98-95-3----- | Nitrobenzene | 360 | U |
| 78-59-1----- | Isophorone | 360 | U |
| 88-75-5----- | 2-Nitrophenol | 360 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 360 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 360 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 360 | U |
| 91-20-3----- | Naphthalene | 360 | U |
| 106-47-8----- | 4-Chloroaniline | 360 | U |
| 87-68-3----- | Hexachlorobutadiene | 360 | U |
| 105-60-2----- | Caprolactam | 360 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 360 | U |
| 91-57-6----- | 2-Methylnaphthalene | 360 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 360 | U |
| 92-52-4----- | 1,1'-Biphenyl | 360 | U |
| 91-58-7----- | 2-Chloronaphthalene | 360 | U |
| 88-74-4----- | 2-Nitroaniline | 730 | U |
| 131-11-3----- | Dimethylphthalate | 360 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 360 | U |
| 208-96-8----- | Acenaphthylene | 150 | J |
| 99-09-2----- | 3-Nitroaniline | 730 | U |
| 83-32-9----- | Acenaphthene | 360 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-12A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 730 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U |
| 132-64-9----- | Dibenzofuran | 360 | U |
| 84-66-2----- | Diethylphthalate | 360 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7----- | Fluorene | 46 | J |
| 100-01-6----- | 4-Nitroaniline | 730 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 730 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 360 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1----- | Hexachlorobenzene | 360 | U |
| 1912-24-9----- | Atrazine | 360 | U |
| 87-86-5----- | Pentachlorophenol | 360 | U |
| 85-01-8----- | Phenanthrene | 440 | |
| 120-12-7----- | Anthracene | 110 | J |
| 86-74-8----- | Carbazole | 360 | U |
| 84-74-2----- | Di-n-butylphthalate | 360 | U |
| 206-44-0----- | Fluoranthene | 750 | |
| 129-00-0----- | Pyrene | 1400 | |
| 85-68-7----- | Butylbenzylphthalate | 360 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 360 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 96 | J |
| 56-55-3----- | Benzo(a)anthracene | 510 | |
| 218-01-9----- | Chrysene | 570 | |
| 117-84-0----- | Di-n-octylphthalate | 360 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 570 | |
| 207-08-9----- | Benzo(k)fluoranthene | 460 | |
| 50-32-8----- | Benzo(a)pyrene | 450 | |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 310 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 110 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 310 | J |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-13

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-13A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 410 | U |
| 108-95-2----- | Phenol | 410 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 410 | U |
| 95-57-8----- | 2-Chlorophenol | 410 | U |
| 95-48-7----- | 2-Methylphenol | 410 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 410 | U |
| 98-86-2----- | Acetophenone | 410 | U |
| 106-44-5----- | 4-Methylphenol | 410 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 410 | U |
| 67-72-1----- | Hexachloroethane | 410 | U |
| 98-95-3----- | Nitrobenzene | 410 | U |
| 78-59-1----- | Isophorone | 410 | U |
| 88-75-5----- | 2-Nitrophenol | 410 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 410 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 410 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 410 | U |
| 91-20-3----- | Naphthalene | 31 | J |
| 106-47-8----- | 4-Chloroaniline | 410 | U |
| 87-68-3----- | Hexachlorobutadiene | 410 | U |
| 105-60-2----- | Caprolactam | 410 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 410 | U |
| 91-57-6----- | 2-Methylnaphthalene | 94 | J |
| 77-47-4----- | Hexachlorocyclopentadiene | 410 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 410 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 410 | U |
| 92-52-4----- | 1,1'-Biphenyl | 410 | U |
| 91-58-7----- | 2-Chloronaphthalene | 410 | U |
| 88-74-4----- | 2-Nitroaniline | 810 | U |
| 131-11-3----- | Dimethylphthalate | 410 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 410 | U |
| 208-96-8----- | Acenaphthylene | 450 | |
| 99-09-2----- | 3-Nitroaniline | 810 | U |
| 83-32-9----- | Acenaphthene | 68 | J |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB04-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-13

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-13A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 2000 | U |
| 100-02-7----- | 4-Nitrophenol | 810 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 410 | U |
| 132-64-9----- | Dibenzofuran | 73 | J |
| 84-66-2----- | Diethylphthalate | 410 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 410 | U |
| 86-73-7----- | Fluorene | 140 | J |
| 100-01-6----- | 4-Nitroaniline | 810 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 810 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 410 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 410 | U |
| 118-74-1----- | Hexachlorobenzene | 410 | U |
| 1912-24-9----- | Atrazine | 410 | U |
| 87-86-5----- | Pentachlorophenol | 410 | U |
| 85-01-8----- | Phenanthrene | 1400 | |
| 120-12-7----- | Anthracene | 360 | J |
| 86-74-8----- | Carbazole | 48 | J |
| 84-74-2----- | Di-n-butylphthalate | 410 | U |
| 206-44-0----- | Fluoranthene | 2300 | |
| 129-00-0----- | Pyrene | 4000 | |
| 85-68-7----- | Butylbenzylphthalate | 410 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 41 | J |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 260 | J |
| 56-55-3----- | Benzo(a)anthracene | 1500 | |
| 218-01-9----- | Chrysene | 1800 | |
| 117-84-0----- | Di-n-octylphthalate | 410 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 2000 | |
| 207-08-9----- | Benzo(k)fluoranthene | 1300 | |
| 50-32-8----- | Benzo(a)pyrene | 1400 | |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 950 | |
| 53-70-3----- | Dibenzo(a,h)anthracene | 350 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 900 | |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-14

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-14DB64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 6 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: 1.0 (uL)

Dilution Factor: 3.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|------|---|
| 100-52-7----- | Benzaldehyde | 1100 | U |
| 108-95-2----- | Phenol | 1100 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 1100 | U |
| 95-57-8----- | 2-Chlorophenol | 1100 | U |
| 95-48-7----- | 2-Methylphenol | 1100 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 1100 | U |
| 98-86-2----- | Acetophenone | 1100 | U |
| 106-44-5----- | 4-Methylphenol | 1100 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 1100 | U |
| 67-72-1----- | Hexachloroethane | 1100 | U |
| 98-95-3----- | Nitrobenzene | 1100 | U |
| 78-59-1----- | Isophorone | 1100 | U |
| 88-75-5----- | 2-Nitrophenol | 1100 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 1100 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 1100 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 1100 | U |
| 91-20-3----- | Naphthalene | 120 | J |
| 106-47-8----- | 4-Chloroaniline | 1100 | U |
| 87-68-3----- | Hexachlorobutadiene | 1100 | U |
| 105-60-2----- | Caprolactam | 1100 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 1100 | U |
| 91-57-6----- | 2-Methylnaphthalene | 490 | J |
| 77-47-4----- | Hexachlorocyclopentadiene | 1100 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 1100 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1100 | U |
| 92-52-4----- | 1,1'-Biphenyl | 85 | J |
| 91-58-7----- | 2-Chloronaphthalene | 1100 | U |
| 88-74-4----- | 2-Nitroaniline | 2100 | U |
| 131-11-3----- | Dimethylphthalate | 1100 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 1100 | U |
| 208-96-8----- | Acenaphthylene | 900 | J |
| 99-09-2----- | 3-Nitroaniline | 2100 | U |
| 83-32-9----- | Acenaphthene | 1100 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-14

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-14DB64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 6 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: 1.0 (uL)

Dilution Factor: 3.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|------|-----|
| 51-28-5----- | 2,4-Dinitrophenol | 5300 | U |
| 100-02-7----- | 4-Nitrophenol | 2100 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 1100 | U |
| 132-64-9----- | Dibenzofuran | 230 | J |
| 84-66-2----- | Diethylphthalate | 1100 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 1100 | U |
| 86-73-7----- | Fluorene | 67 | J |
| 100-01-6----- | 4-Nitroaniline | 2100 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 2100 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 1100 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 1100 | U |
| 118-74-1----- | Hexachlorobenzene | 1100 | U |
| 1912-24-9----- | Atrazine | 1100 | U R |
| 87-86-5----- | Pentachlorophenol | 1100 | U |
| 85-01-8----- | Phenanthrene | 3700 | |
| 120-12-7----- | Anthracene | 750 | J |
| 86-74-8----- | Carbazole | 120 | J |
| 84-74-2----- | Di-n-butylphthalate | 1100 | U |
| 206-44-0----- | Fluoranthene | 4500 | |
| 129-00-0----- | Pyrene | 8200 | |
| 85-68-7----- | Butylbenzylphthalate | 1100 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 1100 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 190 | J |
| 56-55-3----- | Benzo(a)anthracene | 3300 | |
| 218-01-9----- | Chrysene | 3700 | |
| 117-84-0----- | Di-n-octylphthalate | 1100 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 3400 | |
| 207-08-9----- | Benzo(k)fluoranthene | 3200 | |
| 50-32-8----- | Benzo(a)pyrene | 3200 | |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 2000 | |
| 53-70-3----- | Dibenzo(a,h)anthracene | 690 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 1900 | |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-15

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-15B64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 6 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|----------|------------------------------|---|---|
| 100-52-7 | Benzaldehyde | 350 | U |
| 108-95-2 | Phenol | 350 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 350 | U |
| 95-57-8 | 2-Chlorophenol | 350 | U |
| 95-48-7 | 2-Methylphenol | 350 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 98-86-2 | Acetophenone | 350 | U |
| 106-44-5 | 4-Methylphenol | 350 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 350 | U |
| 67-72-1 | Hexachloroethane | 350 | U |
| 98-95-3 | Nitrobenzene | 350 | U |
| 78-59-1 | Isophorone | 350 | U |
| 88-75-5 | 2-Nitrophenol | 350 | U |
| 105-67-9 | 2,4-Dimethylphenol | 350 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 350 | U |
| 120-83-2 | 2,4-Dichlorophenol | 350 | U |
| 91-20-3 | Naphthalene | 350 | U |
| 106-47-8 | 4-Chloroaniline | 350 | U |
| 87-68-3 | Hexachlorobutadiene | 350 | U |
| 105-60-2 | Caprolactam | 350 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 350 | U |
| 91-57-6 | 2-Methylnaphthalene | 350 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 350 | U |
| 92-52-4 | 1,1'-Biphenyl | 350 | U |
| 91-58-7 | 2-Chloronaphthalene | 350 | U |
| 88-74-4 | 2-Nitroaniline | 700 | U |
| 131-11-3 | Dimethylphthalate | 350 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 350 | U |
| 208-96-8 | Acenaphthylene | 21 | J |
| 99-09-2 | 3-Nitroaniline | 700 | U |
| 83-32-9 | Acenaphthene | 350 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-15

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-15B64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 6 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|----------------|----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 700 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 132-64-9----- | Dibenzofuran | 350 | U |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 350 | U |
| 100-01-6----- | 4-Nitroaniline | 700 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 700 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 1912-24-9----- | Atrazine | 350 | U |
| 87-86-5----- | Pentachlorophenol | 350 | U |
| 85-01-8----- | Phenanthrene | 120 | J |
| 120-12-7----- | Anthracene | 350 | U |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 120 | J |
| 129-00-0----- | Pyrene | 210 | J |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 350 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 90 | J |
| 56-55-3----- | Benzo(a)anthracene | 76 | J |
| 218-01-9----- | Chrysene | 86 | J |
| 117-84-0----- | Di-n-octylphthalate | 350 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 69 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 79 | J |
| 50-32-8----- | Benzo(a)pyrene | 65 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 49 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 350 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 56 | J |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-16

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-16B64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 410 | U |
| 108-95-2 | Phenol | 410 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 410 | U |
| 95-57-8 | 2-Chlorophenol | 410 | U |
| 95-48-7 | 2-Methylphenol | 410 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 410 | U |
| 98-86-2 | Acetophenone | 410 | U |
| 106-44-5 | 4-Methylphenol | 410 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 410 | U |
| 67-72-1 | Hexachloroethane | 410 | U |
| 98-95-3 | Nitrobenzene | 410 | U |
| 78-59-1 | Isophorone | 410 | U |
| 88-75-5 | 2-Nitrophenol | 410 | U |
| 105-67-9 | 2,4-Dimethylphenol | 410 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 410 | U |
| 120-83-2 | 2,4-Dichlorophenol | 410 | U |
| 91-20-3 | Naphthalene | 410 | U |
| 106-47-8 | 4-Chloroaniline | 410 | U |
| 87-68-3 | Hexachlorobutadiene | 410 | U |
| 105-60-2 | Caprolactam | 410 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 410 | U |
| 91-57-6 | 2-Methylnaphthalene | 49 | J |
| 77-47-4 | Hexachlorocyclopentadiene | 410 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 410 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 410 | U |
| 92-52-4 | 1,1'-Biphenyl | 410 | U |
| 91-58-7 | 2-Chloronaphthalene | 410 | U |
| 88-74-4 | 2-Nitroaniline | 810 | U |
| 131-11-3 | Dimethylphthalate | 410 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 410 | U |
| 208-96-8 | Acenaphthylene | 74 | J |
| 99-09-2 | 3-Nitroaniline | 810 | U |
| 83-32-9 | Acenaphthene | 410 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SS-SB05-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-16

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-16B64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 2000 | U |
| 100-02-7----- | 4-Nitrophenol | 810 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 410 | U |
| 132-64-9----- | Dibenzofuran | 410 | U |
| 84-66-2----- | Diethylphthalate | 410 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 410 | U |
| 86-73-7----- | Fluorene | 410 | U |
| 100-01-6----- | 4-Nitroaniline | 810 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 810 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 410 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 410 | U |
| 118-74-1----- | Hexachlorobenzene | 410 | U |
| 1912-24-9----- | Atrazine | 410 | U |
| 87-86-5----- | Pentachlorophenol | 410 | U |
| 85-01-8----- | Phenanthrene | 400 | J |
| 120-12-7----- | Anthracene | 69 | J |
| 86-74-8----- | Carbazole | 410 | U |
| 84-74-2----- | Di-n-butylphthalate | 410 | U |
| 206-44-0----- | Fluoranthene | 420 | |
| 129-00-0----- | Pyrene | 780 | |
| 85-68-7----- | Butylbenzylphthalate | 410 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 410 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 470 | |
| 56-55-3----- | Benzo(a)anthracene | 280 | J |
| 218-01-9----- | Chrysene | 320 | J |
| 117-84-0----- | Di-n-octylphthalate | 410 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 300 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 250 | J |
| 50-32-8----- | Benzo(a)pyrene | 260 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 160 | J |
| 53-70-3----- | Dibenzo(a,h)anthracene | 64 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 180 | J |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-1A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/08/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/13/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 360 | U |
| 108-95-2 | Phenol | 360 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 360 | U |
| 95-57-8 | 2-Chlorophenol | 360 | U |
| 95-48-7 | 2-Methylphenol | 360 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 98-86-2 | Acetophenone | 360 | U |
| 106-44-5 | 4-Methylphenol | 360 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 360 | U |
| 67-72-1 | Hexachloroethane | 360 | U |
| 98-95-3 | Nitrobenzene | 360 | U |
| 78-59-1 | Isophorone | 360 | U |
| 88-75-5 | 2-Nitrophenol | 360 | U |
| 105-67-9 | 2,4-Dimethylphenol | 360 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 360 | U |
| 120-83-2 | 2,4-Dichlorophenol | 360 | U |
| 91-20-3 | Naphthalene | 360 | U |
| 106-47-8 | 4-Chloroaniline | 360 | U |
| 87-68-3 | Hexachlorobutadiene | 360 | U |
| 105-60-2 | Caprolactam | 360 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 360 | U |
| 91-57-6 | 2-Methylnaphthalene | 360 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 360 | U |
| 92-52-4 | 1,1'-Biphenyl | 360 | U |
| 91-58-7 | 2-Chloronaphthalene | 360 | U |
| 88-74-4 | 2-Nitroaniline | 730 | U |
| 131-11-3 | Dimethylphthalate | 360 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 360 | U |
| 208-96-8 | Acenaphthylene | 360 | U |
| 99-09-2 | 3-Nitroaniline | 730 | U |
| 83-32-9 | Acenaphthene | 360 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SSMW10-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-1A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/08/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/13/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 730 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U |
| 132-64-9----- | Dibenzofuran | 360 | U |
| 84-66-2----- | Diethylphthalate | 360 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7----- | Fluorene | 360 | U |
| 100-01-6----- | 4-Nitroaniline | 730 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 730 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 360 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1----- | Hexachlorobenzene | 360 | U |
| 1912-24-9----- | Atrazine | 360 | U |
| 87-86-5----- | Pentachlorophenol | 360 | U |
| 85-01-8----- | Phenanthrene | 360 | U |
| 120-12-7----- | Anthracene | 360 | U |
| 86-74-8----- | Carbazole | 360 | U |
| 84-74-2----- | Di-n-butylphthalate | 360 | U |
| 206-44-0----- | Fluoranthene | 360 | U |
| 129-00-0----- | Pyrene | 360 | U |
| 85-68-7----- | Butylbenzylphthalate | 360 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 360 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 360 | U |
| 56-55-3----- | Benzo(a)anthracene | 360 | U |
| 218-01-9----- | Chrysene | 360 | U |
| 117-84-0----- | Di-n-octylphthalate | 360 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 360 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 360 | U |
| 50-32-8----- | Benzo(a)pyrene | 360 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 360 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 360 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 360 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-MW11-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-17

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-17B64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.32 | 240 | JB B |
| 2. | UNKNOWN (BC) | 5.62 | 1100 | JB J |
| 3. | UNKNOWN | 23.15 | 230 | J J |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB01-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-8

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-8A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 1 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------------------|-------------------------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.64 | 1000 | JB-3 |
| 2. 571-58-4 | NAPHTHALENE, 1,4-DIMETHYL- | 9.34 | 140 | NJ 5 |
| 3. 2381-21-7 | PYRENE, 1-METHYL- | 15.64 | 140 | NJ |
| 4. | UNKNOWN | 17.13 | 140 | J |
| 5. | UNKNOWN | 17.28 | 170 | J |
| 6. | UNKNOWN PHTHALATE | 19.01 | 220 | J |
| 7. | UNKNOWN PHTHALATE | 19.31 | 210 | J |
| 8. | UNKNOWN PHTHALATE | 19.63 | 300 | J |
| 9. | UNKNOWN PHTHALATE | 19.68 | 570 | J |
| 10. | UNKNOWN PHTHALATE | 19.77 | 480 | J |
| 11. | UNKNOWN PHTHALATE | 19.82 | 290 | J |
| 12. | UNKNOWN PHTHALATE | 19.90 | 190 | J |
| 13. 207-08-9 | BENZO [K] FLUORANTHENE 150KEL | 19.95 | 390 | NJ |
| 14. | UNKNOWN | 20.95 | 360 | J |
| 15. | UNKNOWN | 21.35 | 520 | J |
| 16. | UNKNOWN | 21.83 | 140 | J |
| 17. 191-26-4 | DIBENZO [DEF, MNO] CHRYSENE | 21.93 | 160 | NJ |
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FORM 1 SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB01-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-9

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-9A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/10/02

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.66 | 1100 | JB-B |
| 2. | 575-41-7 NAPHTHALENE, 1,3-DIMETHYL- | 9.34 | 260 | NJ J |
| 3. | 571-58-4 NAPHTHALENE, 1,4-DIMETHYL- | 9.46 | 150 | NJ |
| 4. | STRAIGHT-CHAIN ALKANE | 10.74 | 140 | J |
| 5. | 5737-13-3 CYCLOPENTA (DEF) PHENANTHRENON | 14.09 | 200 | NJ |
| 6. | 243-17-4 11H-BENZO [B] FLUORENE | 15.64 | 210 | NJ |
| 7. | UNKNOWN | 17.13 | 150 | J |
| 8. | 198-55-0 PERYLENE | 19.95 | 340 | NJ |
| 9. | UNKNOWN | 20.96 | 580 | J |
| 10. | UNKNOWN | 21.20 | 250 | J |
| 11. | UNKNOWN | 21.30 | 200 | J |
| 12. | UNKNOWN | 21.37 | 1000 | J |
| 13. | UNKNOWN | 21.82 | 320 | J |
| 14. | UNKNOWN | 22.18 | 270 | J |
| 15. | UNKNOWN | 22.26 | 190 | J |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB01-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-10A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/22/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.66 | 1200 | JB B |
| 2. | UNKNOWN | 21.37 | 180 | J J |
| 3. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB02-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-5

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-5A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

2/26/03

Number TICs found: 20

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------------------|---|-----------------|----------------|---------------|
| 1. | UNKNOWN (BC) | 5.66 | 1200 | JB B |
| 2. 541-02-6 | CYCLOPENTASILOXANE, DECAMETH | 7.45 | 190 | NJ |
| 3. | UNKNOWN PAH | 17.13 | 170 | J J |
| 4. | UNKNOWN | 17.28 | 140 | J |
| 5. | UNKNOWN | 19.28 | 300 | J |
| 6. | UNKNOWN | 19.43 | 330 | J |
| 7. | UNKNOWN | 19.63 | 220 | J |
| 8. | UNKNOWN PHTHALATE | 19.68 | 560 | J |
| 9. | UNKNOWN PHTHALATE | 19.76 | 190 | J |
| 10. | UNKNOWN PAH | 19.90 | 230 | J J |
| 11. 207-08-9 | BENZO [K] FLUORANTHENE <i>1 some</i> | 19.97 | 690 | NJ |
| 12. | UNKNOWN | 20.59 | 170 | J |
| 13. | UNKNOWN | 20.96 | 490 | J |
| 14. | UNKNOWN | 21.20 | 160 | J |
| 15. | UNKNOWN | 21.30 | 200 | J |
| 16. | UNKNOWN | 21.37 | 850 | J |
| 17. | UNKNOWN PAH | 21.83 | 320 | J |
| 18. | UNKNOWN | 21.89 | 200 | J |
| 19. | UNKNOWN | 22.18 | 160 | J |
| 20. 0-00-0 | 3,4:8,9-DIBENZPYRENE | 23.30 | 180 | NJ |
| 21. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB02-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-6

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-6A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/20/02

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|------------------------------|------|------------|------|
| 1. | UNKNOWN (BC) | 5.66 | 1100 | JB B |
| 2. 541-02-6 | CYCLOPENTASILOXANE, DECAMETH | 7.45 | 170 | NJ |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB02-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-7

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-7A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/3
n

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|------|
| 1. | UNKNOWN (BC) | 5.36 | 390 | JB 6 |
| 2. | UNKNOWN (BC) | 5.65 | 1200 | JB 7 |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB03-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-2A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

7/26/02

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------------------|--------------------------------------|-------|-----------------|------------------------|
| 1. | UNKNOWN (BC) | 5.66 | 1300 | JB <i>B</i> |
| 2. 575-41-7 | NAPHTHALENE, 1,3-DIMETHYL- | 9.34 | 1200 | NJ <i>J</i> |
| 3. 832-69-9 | PHENANTHRENE, 1-METHYL- | 12.45 | 240 | NJ |
| 4. 610-48-0 | ANTHRACENE, 1-METHYL- | 12.77 | 170 | NJ |
| 5. 84-65-1 | 9,10-ANTHRACENEDIONE | 13.28 | 290 | NJ |
| 6. 5737-13-3 | CYCLOPENTA (DEF) PHENANTHRENON | 14.14 | 290 | NJ |
| 7. | BENZOFUORENE | 15.44 | 220 | J |
| 8. 2381-21-7 | PYRENE, 1-METHYL- | 15.68 | 480 | NJ |
| 9. 2381-21-7 | PYRENE, 1-METHYL- | 15.91 | 350 | NJ |
| 10. 3442-78-2 | PYRENE, 2-METHYL- | 16.12 | 310 | NJ |
| 11. 2381-21-7 | PYRENE, 1-METHYL- | 16.19 | 250 | NJ |
| 12. 82-05-3 | 7H-BENZ [DE] ANTHRACEN-7-ONE | 16.86 | 330 | NJ |
| 13. | UNKNOWN PAH | 17.15 | 480 | J |
| 14. 82-05-3 | 7H-BENZ [DE] ANTHRACEN-7-ONE | 17.32 | 300 | NJ |
| 15. 82-05-3 | 7H-BENZ [DE] ANTHRACEN-7-ONE | 17.91 | 220 | NJ |
| 16. 3351-32-4 | 2-METHYLCHRYSENE | 18.41 | 260 | NJ |
| 17. 55759-86-9 | BICYCLO[3.2.0]HEPTAN-2-ONE, | 18.63 | 240 | NJ |
| 18. 207-08-9 | BENZO [K] FLUORANTHENE <i>ISOMER</i> | 19.73 | 1100 | NJ |
| 19. 207-08-9 | BENZO [K] FLUORANTHENE <i>↓</i> | 20.00 | 4300 | NJ |
| 20. 205-99-2 | BENZ [E] ACEPHENANTHRYLENE | 20.21 | 1500 | NJ <i>✓</i> |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB03-0DL

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-2DB64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 3 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-----|
| 1. | UNKNOWN (BC) | 5.59 | 1900 | JBD |
| 2. | 575-41-7 | 9.29 | 1500 | NJD |
| 3. | 486-25-9 | 11.17 | 1600 | NJD |
| 4. | UNKNOWN PAH | 12.36 | 1800 | JD |
| 5. | 779-02-2 | 12.41 | 1900 | NJD |
| 6. | UNKNOWN PAH | 12.61 | 2900 | JD |
| 7. | 84-65-1 | 13.15 | 2600 | NJD |
| 8. | 5737-13-3 | 14.00 | 2400 | NJD |
| 9. | 2381-21-7 | 15.57 | 3100 | NJD |
| 10. | 2381-21-7 | 15.81 | 2200 | NJD |
| 11. | 3442-78-2 | 16.03 | 1900 | NJD |
| 12. | 82-05-3 | 16.76 | 2400 | NJD |
| 13. | 27208-37-3 | 17.06 | 2300 | NJD |
| 14. | 82-05-3 | 17.21 | 1900 | NJD |
| 15. | 3351-28-8 | 18.32 | 1700 | NJD |
| 16. | UNKNOWN PAH | 19.90 | 5900 | JD |
| 17. | 205-99-2 | 20.11 | 1500 | NJD |
| 18. | UNKNOWN | 21.30 | 3000 | JD |
| 19. | UNKNOWN PAH | 21.43 | 2300 | JD |
| 20. | UNKNOWN PAH | 21.75 | 1700 | JD |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB03-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-3A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 5 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|-----------------------|-------|------------|----|
| 1. | UNKNOWN (BC) | 5.66 | 1100 | JB |
| 2. | UNKNOWN SILOXANE | 7.45 | 250 | J |
| 3. 238-84-6 | 11H-BENZO[A] FLUORENE | 15.66 | 150 | NJ |
| 4. 192-97-2 | BENZO[E] PYRENE | 19.97 | 390 | NJ |
| 5. | UNKNOWN PAH | 21.50 | 160 | J |
| 6. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB03-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-4

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-4A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 17 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|------------------------------|------|------------|------|
| 1. | UNKNOWN (BC) | 5.66 | 1200 | JB B |
| 2. 541-02-6 | CYCLOPENTASILOXANE, DECAMETH | 7.45 | 170 | NJ |
| 3. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB04-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-11DA64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 3.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/2/3

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------------------|-------------------------------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.63 | 1800 | JB B |
| 2. 573-98-8 | NAPHTHALENE, 1,2-DIMETHYL- | 9.33 | 1200 | NJ J |
| 3. 486-25-9 | 9H-FLUOREN-9-ONE | 11.22 | 990 | NJ |
| 4. 779-02-2 | ANTHRACENE, 9-METHYL- | 12.44 | 1100 | NJ |
| 5. 832-69-9 | PHENANTHRENE, 1-METHYL- | 12.49 | 940 | NJ |
| 6. | UNKNOWN PAH | 12.69 | 1100 | J |
| 7. | PHENYLNAPHTHALENE | 13.20 | 730 | J |
| 8. 84-65-1 | 9,10-ANTHRACENEDIONE | 13.25 | 1000 | NJ |
| 9. 7469-40-1 | NAPHTHALENE, 1,2-DIHYDRO-4-P | 13.91 | 720 | NJ |
| 10. 5737-13-3 | CYCLOPENTA (DEF) PHENANTHRENON | 14.09 | 1600 | NJ |
| 11. | UNKNOWN | 14.50 | 760 | J |
| 12. 2381-21-7 | PYRENE, 1-METHYL- | 15.65 | 1000 | NJ |
| 13. 82-05-3 | 7H-BENZ [DE] ANTHRACEN-7-ONE | 16.83 | 730 | NJ |
| 14. 207-08-9 | BENZO [K] FLUORANTHENE <i>15000</i> | 19.70 | 980 | NJ |
| 15. | UNKNOWN | 19.89 | 1100 | J |
| 16. 198-55-0 | PERYLENE | 19.97 | 3700 | NJ |
| 17. | UNKNOWN | 20.95 | 2500 | J |
| 18. | UNKNOWN | 21.20 | 830 | J |
| 19. | UNKNOWN | 21.37 | 3900 | J |
| 20. | UNKNOWN PAH | 21.83 | 1600 | J |
| 21. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB04-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-12A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------------------|--------------------------------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.64 | 1100 | JB B |
| 2. | UNKNOWN SILOXANE | 7.43 | 180 | J |
| 3. 5737-13-3 | CYCLOPENTA (DEF) PHENANTHRENON | 14.07 | 160 | NJ J |
| 4. 243-17-4 | 11H-BENZO [B] FLUORENE | 15.64 | 190 | NJ |
| 5. | UNKNOWN | 19.88 | 170 | J |
| 6. 207-08-9 | BENZO [K] FLUORANTHENE <i>ISOMER</i> | 19.95 | 510 | NJ |
| 7. | UNKNOWN | 20.95 | 270 | J |
| 8. | UNKNOWN | 21.35 | 490 | J |
| 9. | UNKNOWN | 21.83 | 170 | J |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB04-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-13

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-13A64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|--------------------------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.64 | 1200 | JB B |
| 2. 581-40-8 | NAPHTHALENE, 2,3-DIMETHYL- | 9.34 | 320 | NJ J |
| 3. 486-25-9 | 9H-FLUOREN-9-ONE | 11.22 | 310 | NJ |
| 4. 613-12-7 | ANTHRACENE, 2-METHYL- | 12.43 | 390 | NJ |
| 5. 613-12-7 | ANTHRACENE, 2-METHYL- | 12.48 | 380 | NJ |
| 6. 84-65-1 | 9,10-ANTHRACENEDIONE | 13.24 | 430 | NJ |
| 7. 5737-13-3 | CYCLOPENTA (DEF) PHENANTHRENON | 14.09 | 560 | NJ |
| 8. 238-84-6 | 11H-BENZO [A] FLUORENE | 15.64 | 530 | NJ |
| 9. 2381-21-7 | PYRENE, 1-METHYL- | 15.88 | 360 | NJ |
| 10. 3442-78-2 | PYRENE, 2-METHYL- | 16.10 | 320 | NJ |
| 11. 82-05-3 | 7H-BENZ [DE] ANTHRACEN-7-ONE | 16.82 | 370 | NJ |
| 12. 82-05-3 | 7H-BENZ [DE] ANTHRACEN-7-ONE | 17.26 | 280 | NJ |
| 13. | UNKNOWN | 19.26 | 390 | J |
| 14. | UNKNOWN | 19.88 | 360 | J |
| 15. 198-55-0 | PERYLENE | 19.97 | 1400 | NJ |
| 16. | UNKNOWN | 20.95 | 670 | J |
| 17. | UNKNOWN | 21.37 | 1400 | J |
| 18. | UNKNOWN PAH | 21.49 | 590 | J |
| 19. | UNKNOWN PAH | 21.82 | 610 | J |
| 20. | UNKNOWN | 21.87 | 430 | J |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB05-0

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-14

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-14DB64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 6 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: 1.0 (uL)

Dilution Factor: 3.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|----------------|--------------------------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.60 | 1300 | JB B |
| 2. 581-40-8 | NAPHTHALENE, 2,3-DIMETHYL- | 9.29 | 1100 | NJ J |
| 3. 486-25-9 | 9H-FLUORENE-9-ONE | 11.17 | 1000 | NJ |
| 4. 84-65-1 | 9,10-ANTHRACENEDIONE | 13.15 | 1000 | NJ |
| 5. 5737-13-3 | CYCLOPENTA (DEF) PHENANTHRENON | 14.00 | 1300 | NJ |
| 6. 238-84-6 | 11H-BENZO [A] FLUORENE | 15.57 | 1900 | NJ |
| 7. 3442-78-2 | PYRENE, 2-METHYL- | 15.81 | 1000 | NJ |
| 8. 3353-12-6 | PYRENE, 4-METHYL- | 16.02 | 940 | NJ |
| 9. 82-05-3 | 7H-BENZ [DE] ANTHRACEN-7-ONE | 16.76 | 1200 | NJ |
| 10. | UNKNOWN | 17.06 | 1400 | J |
| 11. 3351-32-4 | 2-METHYLCHRYSENE | 18.33 | 960 | NJ |
| 12. | UNKNOWN PAH | 19.83 | 1200 | J |
| 13. | BENZOFUORANTHENE | 19.90 | 3800 | J |
| 14. 3343-10-0 | BENZ [J] ACEANTHRYLENE, 3-METH | 20.18 | 890 | NJ |
| 15. 36728-72-0 | 28-NOR-17.BETA. (H) -HOPANE | 20.90 | 2000 | NJ |
| 16. | UNKNOWN | 21.14 | 920 | J |
| 17. | UNKNOWN | 21.31 | 5300 | J |
| 18. 191-26-4 | DIBENZO [DEF, MNO] CHRYSENE | 21.43 | 1300 | NJ |
| 19. | UNKNOWN | 21.82 | 920 | J |
| 20. | UNKNOWN | 22.20 | 1000 | J |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB05-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-15

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-15B64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 6 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3 peaks

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.32 | 180 | JB 3 |
| 2. | UNKNOWN (BC) | 5.61 | 960 | JB 3 |
| 3. | UNKNOWN | 21.30 | 330 | J 5 |
| 4. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-SB05-4

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-16

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-16B64

Level: (low/med) LOW

Date Received: 12/06/02

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

3/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|------------------|-------|------------|------|
| 1. | UNKNOWN (BC) | 5.32 | 180 | JB B |
| 2. | UNKNOWN (BC) | 5.62 | 980 | JB B |
| 3. | UNKNOWN SILOXANE | 7.41 | 180 | J |
| 4. | UNKNOWN PAH | 19.82 | 170 | J J |
| 5. | UNKNOWN PAH | 19.89 | 290 | J |
| 6. | UNKNOWN | 20.89 | 300 | J |
| 7. | UNKNOWN | 21.30 | 780 | J |
| 8. | UNKNOWN | 22.12 | 170 | J |
| 9. | | | | |
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SSMW10-1

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R2812-1A64

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 12/08/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/13/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

2/26/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|-----|
| 1. | UNKNOWN (BC) | 5.37 | 370 | J B |
| 2. | UNKNOWN (BC) | 5.66 | 490 | J |
| 3. | UNKNOWN | 6.92 | 150 | J ↓ |
| 4. | | | | |
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FORM I SV-TIC

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-MW11-0

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-17

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/19/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.91 | U |
| 319-84-6----- | alpha-BHC | 0.91 | U |
| 319-85-7----- | beta-BHC | 3.7 | P |
| 319-86-8----- | delta-BHC | 1.3 | |
| 58-89-9----- | gamma-BHC (Lindane) | 0.91 | U |
| 72-54-8----- | 4,4'-DDD | 3.6 | U |
| 72-55-9----- | 4,4'-DDE | 3.1 | P |
| 50-29-3----- | 4,4'-DDT | 5.5 | U |
| 60-57-1----- | Dieldrin | 1.9 | U |
| 959-98-8----- | Endosulfan I | 1.9 | U |
| 33213-65-9----- | Endosulfan II | 3.6 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.6 | U |
| 72-20-8----- | Endrin | 3.6 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.97 | J |
| 76-44-8----- | Heptachlor | 0.91 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.91 | U |
| 72-43-5----- | Methoxychlor | 9.1 | U |
| 8001-35-2----- | Toxaphene | 91 | U |
| 12674-11-2----- | Aroclor-1016 | 71 | U |
| 11104-28-2----- | Aroclor-1221 | 93 | U |
| 11141-16-5----- | Aroclor-1232 | 71 | U |
| 53469-21-9----- | Aroclor-1242 | 49 | U |
| 12672-29-6----- | Aroclor-1248 | 49 | U |
| 11097-69-1----- | Aroclor-1254 | 49 | U |
| 11096-82-5----- | Aroclor-1260 | 71 | U |
| 53494-70-5----- | Endrin Ketone | 9.1 | U |
| 5103-74-2----- | gamma-Chlordane | 0.91 | U |
| 5103-71-9----- | alpha-Chlordane | 1.9 | U |

J

J

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB01-0

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-8

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 1 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.84 | U |
| 319-84-6----- | alpha-BHC | 0.84 | U |
| 319-85-7----- | beta-BHC | 1.7 | U |
| 319-86-8----- | delta-BHC | 0.84 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.84 | U |
| 72-54-8----- | 4,4'-DDD | 3.3 | U |
| 72-55-9----- | 4,4'-DDE | 1.7 | U |
| 50-29-3----- | 4,4'-DDT | 5.1 | U |
| 60-57-1----- | Dieldrin | 1.7 | U |
| 959-98-8----- | Endosulfan I | 1.7 | U |
| 33213-65-9----- | Endosulfan II | 3.3 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.3 | U |
| 72-20-8----- | Endrin | 3.3 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.3 | U |
| 76-44-8----- | Heptachlor | 0.84 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.84 | U |
| 72-43-5----- | Methoxychlor | 8.4 | U |
| 8001-35-2----- | Toxaphene | 84 | U |
| 12674-11-2----- | Aroclor-1016 | 66 | U |
| 11104-28-2----- | Aroclor-1221 | 86 | U |
| 11141-16-5----- | Aroclor-1232 | 66 | U |
| 53469-21-9----- | Aroclor-1242 | 45 | U |
| 12672-29-6----- | Aroclor-1248 | 45 | U |
| 11097-69-1----- | Aroclor-1254 | 45 | U |
| 11096-82-5----- | Aroclor-1260 | 66 | U |
| 53494-70-5----- | Endrin Ketone | 4.2 | J |
| 5103-74-2----- | gamma-Chlordane | 0.84 | U |
| 5103-71-9----- | alpha-Chlordane | 1.7 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8081A

SS-SB01-1

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-9

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 5 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/19/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|----------------------------------|-----------|-------|-----|
| 309-00-2-----Aldrin | 11 | E | K |
| 319-84-6-----alpha-BHC | 0.87 | U | |
| 319-85-7-----beta-BHC | 100 | EP | K |
| 319-86-8-----delta-BHC | 0.87 | U | |
| 58-89-9-----gamma-BHC (Lindane) | 0.87 | U | |
| 72-54-8-----4,4'-DDD | 3.5 | U | |
| 72-55-9-----4,4'-DDE | 1.8 | U | |
| 50-29-3-----4,4'-DDT | 5.3 | U | |
| 60-57-1-----Dieldrin | 1.8 | U | |
| 959-98-8-----Endosulfan I | 1.8 | U | |
| 33213-65-9-----Endosulfan II | 3.5 | U | |
| 1031-07-8-----Endosulfan sulfate | 6.7 | | |
| 72-20-8-----Endrin | 3.5 | U | |
| 7421-93-4-----Endrin Aldehyde | 13 3.5 | U | D |
| 76-44-8-----Heptachlor | 0.87 | U | |
| 1024-57-3-----Heptachlor Epoxide | 0.87 | U | |
| 72-43-5-----Methoxychlor | 8.7 | U | |
| 8001-35-2-----Toxaphene | 87 | U | |
| 12674-11-2-----Aroclor-1016 | 68 | U | |
| 11104-28-2-----Aroclor-1221 | 89 | U | |
| 11141-16-5-----Aroclor-1232 | 68 | U | |
| 53469-21-9-----Aroclor-1242 | 47 | U | |
| 12672-29-6-----Aroclor-1248 | 47 | U | |
| 11097-69-1-----Aroclor-1254 | 47 | U | |
| 11096-82-5-----Aroclor-1260 | 68 | U | |
| 53494-70-5-----Endrin Ketone | 4.4 11 11 | 0.5 P | K 5 |
| 5103-74-2-----gamma-Chlordane | 0.87 | U | |
| 5103-71-9-----alpha-Chlordane | 1.8 | U | |

3/27/03
2

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB01-1DL

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-9

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 5 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

| | | | |
|-----------------|---------------------|-----|-----|
| 309-00-2----- | Aldrin | 1.7 | U |
| 319-84-6----- | alpha-BHC | 1.7 | U |
| 319-85-7----- | beta-BHC | 3.6 | U |
| 319-86-8----- | delta-BHC | 1.7 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 1.7 | U |
| 72-54-8----- | 4,4'-DDD | 6.9 | U |
| 72-55-9----- | 4,4'-DDE | 3.6 | U |
| 50-29-3----- | 4,4'-DDT | 11 | U |
| 60-57-1----- | Dieldrin | 3.6 | U |
| 959-98-8----- | Endosulfan I | 3.6 | U |
| 33213-65-9----- | Endosulfan II | 6.9 | U |
| 1031-07-8----- | Endosulfan sulfate | 6.9 | U |
| 72-20-8----- | Endrin | 6.9 | U |
| 7421-93-4----- | Endrin Aldehyde | 13 | D |
| 76-44-8----- | Heptachlor | 1.7 | U |
| 1024-57-3----- | Heptachlor Epoxide | 1.7 | U |
| 72-43-5----- | Methoxychlor | 17 | U |
| 8001-35-2----- | Toxaphene | 170 | U |
| 12674-11-2----- | Aroclor-1016 | 140 | U |
| 11104-28-2----- | Aroclor-1221 | 180 | U |
| 11141-16-5----- | Aroclor-1232 | 140 | U |
| 53469-21-9----- | Aroclor-1242 | 95 | U |
| 12672-29-6----- | Aroclor-1248 | 95 | U |
| 11097-69-1----- | Aroclor-1254 | 95 | U |
| 11096-82-5----- | Aroclor-1260 | 140 | U |
| 53494-70-5----- | Endrin Ketone | 9.9 | DJP |
| 5103-74-2----- | gamma-Chlordane | 1.7 | U |
| 5103-71-9----- | alpha-Chlordane | 3.6 | U |

3/20/03

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB01-4

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-10

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | |
|----------------------------------|------|----|
| 309-00-2-----Aldrin | 1.0 | U |
| 319-84-6-----alpha-BHC | 1.0 | U |
| 319-85-7-----beta-BHC | 2.1 | U |
| 319-86-8-----delta-BHC | 1.0 | U |
| 58-89-9-----gamma-BHC (Lindane) | 1.0 | U |
| 72-54-8-----4,4'-DDD | 4.1 | U |
| 72-55-9-----4,4'-DDE | 2.1 | U |
| 50-29-3-----4,4'-DDT | 6.3 | U |
| 60-57-1-----Dieldrin | 2.1 | U |
| 959-98-8-----Endosulfan I | 2.1 | U |
| 33213-65-9-----Endosulfan II | 4.1 | U |
| 1031-07-8-----Endosulfan sulfate | 4.1 | U |
| 72-20-8-----Endrin | 4.1 | U |
| 7421-93-4-----Endrin Aldehyde | 0.88 | JP |
| 76-44-8-----Heptachlor | 1.0 | U |
| 1024-57-3-----Heptachlor Epoxide | 1.0 | U |
| 72-43-5-----Methoxychlor | 10 | U |
| 8001-35-2-----Toxaphene | 100 | U |
| 12674-11-2-----Aroclor-1016 | 81 | U |
| 11104-28-2-----Aroclor-1221 | 110 | U |
| 11141-16-5-----Aroclor-1232 | 81 | U |
| 53469-21-9-----Aroclor-1242 | 56 | U |
| 12672-29-6-----Aroclor-1248 | 56 | U |
| 11097-69-1-----Aroclor-1254 | 56 | U |
| 11096-82-5-----Aroclor-1260 | 81 | U |
| 53494-70-5-----Endrin Ketone | 1.1 | JP |
| 5103-74-2-----gamma-Chlordane | 1.0 | U |
| 5103-71-9-----alpha-Chlordane | 2.1 | U |

J

J

3/22/03

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB02-0

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-5

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.86 | U |
| 319-84-6----- | alpha-BHC | 0.86 | U |
| 319-85-7----- | beta-BHC | 1.8 | U |
| 319-86-8----- | delta-BHC | 0.86 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.86 | U |
| 72-54-8----- | 4,4'-DDD | 3.4 | U |
| 72-55-9----- | 4,4'-DDE | 1.8 | U |
| 50-29-3----- | 4,4'-DDT | 2.4 | J |
| 60-57-1----- | Dieldrin | 1.8 | U |
| 959-98-8----- | Endosulfan I | 1.8 | U |
| 33213-65-9----- | Endosulfan II | 3.4 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.4 | U |
| 72-20-8----- | Endrin | 3.4 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.4 | U |
| 76-44-8----- | Heptachlor | 0.86 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.86 | U |
| 72-43-5----- | Methoxychlor | 8.6 | U |
| 8001-35-2----- | Toxaphene | 86 | U |
| 12674-11-2----- | Aroclor-1016 | 67 | U |
| 11104-28-2----- | Aroclor-1221 | 88 | U |
| 11141-16-5----- | Aroclor-1232 | 67 | U |
| 53469-21-9----- | Aroclor-1242 | 46 | U |
| 12672-29-6----- | Aroclor-1248 | 46 | U |
| 11097-69-1----- | Aroclor-1254 | 46 | U |
| 11096-82-5----- | Aroclor-1260 | 67 | U |
| 53494-70-5----- | Endrin Ketone | 16 | |
| 5103-74-2----- | gamma-Chlordane | 0.86 | U |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB02-1

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-6

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.90 | U |
| 319-84-6----- | alpha-BHC | 0.90 | U |
| 319-85-7----- | beta-BHC | 1.8 | U |
| 319-86-8----- | delta-BHC | 0.90 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.39 | J |
| 72-54-8----- | 4,4'-DDD | 3.6 | U |
| 72-55-9----- | 4,4'-DDE | 1.8 | U |
| 50-29-3----- | 4,4'-DDT | 0.91 | J |
| 60-57-1----- | Dieldrin | 1.8 | U |
| 959-98-8----- | Endosulfan I | 1.8 | U |
| 33213-65-9----- | Endosulfan II | 3.6 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.6 | U |
| 72-20-8----- | Endrin | 3.6 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.6 | U |
| 76-44-8----- | Heptachlor | 0.90 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.90 | U |
| 72-43-5----- | Methoxychlor | 9.0 | U |
| 8001-35-2----- | Toxaphene | 90 | U |
| 12674-11-2----- | Aroclor-1016 | 71 | U |
| 11104-28-2----- | Aroclor-1221 | 92 | U |
| 11141-16-5----- | Aroclor-1232 | 71 | U |
| 53469-21-9----- | Aroclor-1242 | 49 | U |
| 12672-29-6----- | Aroclor-1248 | 49 | U |
| 11097-69-1----- | Aroclor-1254 | 49 | U |
| 11096-82-5----- | Aroclor-1260 | 71 | U |
| 53494-70-5----- | Endrin Ketone | 1.6 | J |
| 5103-74-2----- | gamma-Chlordane | 0.90 | U |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB02-4

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-7

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|-----|----|
| 309-00-2----- | Aldrin | 1.0 | U |
| 319-84-6----- | alpha-BHC | 1.0 | U |
| 319-85-7----- | beta-BHC | 2.1 | U |
| 319-86-8----- | delta-BHC | 1.0 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 1.0 | U |
| 72-54-8----- | 4,4'-DDD | 4.1 | U |
| 72-55-9----- | 4,4'-DDE | 2.1 | U |
| 50-29-3----- | 4,4'-DDT | 6.3 | U |
| 60-57-1----- | Dieldrin | 2.1 | U |
| 959-98-8----- | Endosulfan I | 2.1 | U |
| 33213-65-9----- | Endosulfan II | 4.1 | U |
| 1031-07-8----- | Endosulfan sulfate | 4.1 | U |
| 72-20-8----- | Endrin | 4.1 | U |
| 7421-93-4----- | Endrin Aldehyde | 4.1 | U |
| 76-44-8----- | Heptachlor | 1.0 | U |
| 1024-57-3----- | Heptachlor Epoxide | 1.0 | U |
| 72-43-5----- | Methoxychlor | 10 | U |
| 8001-35-2----- | Toxaphene | 100 | U |
| 12674-11-2----- | Aroclor-1016 | 81 | U |
| 11104-28-2----- | Aroclor-1221 | 110 | U |
| 11141-16-5----- | Aroclor-1232 | 81 | U |
| 53469-21-9----- | Aroclor-1242 | 56 | U |
| 12672-29-6----- | Aroclor-1248 | 56 | U |
| 11097-69-1----- | Aroclor-1254 | 56 | U |
| 11096-82-5----- | Aroclor-1260 | 81 | U |
| 53494-70-5----- | Endrin Ketone | 1.9 | JP |
| 5103-74-2----- | gamma-Chlordane | 1.0 | U |
| 5103-71-9----- | alpha-Chlordane | 2.1 | U |

3/27/03
2

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB03-0

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/19/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | | |
|-----------------|---------------------|------|--------|----|
| 309-00-2----- | Aldrin | 110 | E | J |
| 319-84-6----- | alpha-BHC | 0.86 | U | |
| 319-85-7----- | beta-BHC | 1.8 | U | |
| 319-86-8----- | delta-BHC | 0.86 | U | |
| 58-89-9----- | gamma-BHC (Lindane) | 0.86 | U | |
| 72-54-8----- | 4,4'-DDD | 3.4 | U | |
| 72-55-9----- | 4,4'-DDE | 1.8 | U | |
| 50-29-3----- | 4,4'-DDT | 5.2 | U | |
| 60-57-1----- | Dieldrin | 1.8 | U | |
| 959-98-8----- | Endosulfan I | 1.8 | U | |
| 33213-65-9----- | Endosulfan II | 3.4 | U | |
| 1031-07-8----- | Endosulfan sulfate | 69 | EP | J |
| 72-20-8----- | Endrin | 3.4 | U | |
| 7421-93-4----- | Endrin Aldehyde | 3.4 | U | |
| 76-44-8----- | Heptachlor | 0.86 | U | |
| 1024-57-3----- | Heptachlor Epoxide | 0.86 | U | |
| 72-43-5----- | Methoxychlor | 8.6 | U | |
| 8001-35-2----- | Toxaphene | 86 | U | |
| 12674-11-2----- | Aroclor-1016 | 67 | U | |
| 11104-28-2----- | Aroclor-1221 | 88 | U | |
| 11141-16-5----- | Aroclor-1232 | 67 | U | |
| 53469-21-9----- | Aroclor-1242 | 46 | U | |
| 12672-29-6----- | Aroclor-1248 | 46 | U | |
| 11097-69-1----- | Aroclor-1254 | 46 | U | |
| 11096-82-5----- | Aroclor-1260 | 67 | U | |
| 53494-70-5----- | Endrin Ketone | 43 | 110 EP | DJ |
| 5103-74-2----- | gamma-Chlordane | 0.86 | U | |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U | |

3/26/03
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1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB03-0DL

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|--------------------------|---|----|
| 309-00-2 | -----Aldrin | 86 | U |
| 319-84-6 | -----alpha-BHC | 86 | U |
| 319-85-7 | -----beta-BHC | 180 | U |
| 319-86-8 | -----delta-BHC | 86 | U |
| 58-89-9 | -----gamma-BHC (Lindane) | 86 | U |
| 72-54-8 | -----4,4'-DDD | 340 | U |
| 72-55-9 | -----4,4'-DDE | 180 | U |
| 50-29-3 | -----4,4'-DDT | 520 | U |
| 60-57-1 | -----Dieldrin | 180 | U |
| 959-98-8 | -----Endosulfan I | 180 | U |
| 33213-65-9 | -----Endosulfan II | 340 | U |
| 1031-07-8 | -----Endosulfan sulfate | 340 | U |
| 72-20-8 | -----Endrin | 340 | U |
| 7421-93-4 | -----Endrin Aldehyde | 340 | U |
| 76-44-8 | -----Heptachlor | 86 | U |
| 1024-57-3 | -----Heptachlor Epoxide | 86 | U |
| 72-43-5 | -----Methoxychlor | 860 | U |
| 8001-35-2 | -----Toxaphene | 8600 | U |
| 12674-11-2 | -----Aroclor-1016 | 6700 | U |
| 11104-28-2 | -----Aroclor-1221 | 8800 | U |
| 11141-16-5 | -----Aroclor-1232 | 6700 | U |
| 53469-21-9 | -----Aroclor-1242 | 4600 | U |
| 12672-29-6 | -----Aroclor-1248 | 4600 | U |
| 11097-69-1 | -----Aroclor-1254 | 4600 | U |
| 11096-82-5 | -----Aroclor-1260 | 6700 | U |
| 53494-70-5 | -----Endrin Ketone | 43 | DJ |
| 5103-74-2 | -----gamma-Chlordane | 86 | U |
| 5103-71-9 | -----alpha-Chlordane | 180 | U |

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB03-1

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 5 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/19/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | | |
|-----------------|---------------------|--------------|----|---|
| 309-00-2----- | Aldrin | 15 | E | K |
| 319-84-6----- | alpha-BHC | 0.87 | U | |
| 319-85-7----- | beta-BHC | 1.8 | U | |
| 319-86-8----- | delta-BHC | 0.87 | U | |
| 58-89-9----- | gamma-BHC (Lindane) | 0.87 | U | |
| 72-54-8----- | 4,4'-DDD | 3.5 | U | |
| 72-55-9----- | 4,4'-DDE | 1.8 | U | |
| 50-29-3----- | 4,4'-DDT | 5.3 | U | |
| 60-57-1----- | Dieldrin | 1.8 | U | |
| 959-98-8----- | Endosulfan I | 0.90 | JP | K |
| 33213-65-9----- | Endosulfan II | 3.5 | U | |
| 1031-07-8----- | Endosulfan sulfate | 5.7 | | K |
| 72-20-8----- | Endrin | 3.5 | U | |
| 7421-93-4----- | Endrin Aldehyde | 10 3.5 | U | D |
| 76-44-8----- | Heptachlor | 0.87 | U | |
| 1024-57-3----- | Heptachlor Epoxide | 0.87 | U | |
| 72-43-5----- | Methoxychlor | 8.7 | U | |
| 8001-35-2----- | Toxaphene | 87 | U | |
| 12674-11-2----- | Aroclor-1016 | 68 | U | |
| 11104-28-2----- | Aroclor-1221 | 89 | U | |
| 11141-16-5----- | Aroclor-1232 | 68 | U | |
| 53469-21-9----- | Aroclor-1242 | 47 | U | |
| 12672-29-6----- | Aroclor-1248 | 47 | U | |
| 11097-69-1----- | Aroclor-1254 | 47 | U | |
| 11096-82-5----- | Aroclor-1260 | 68 | U | |
| 53494-70-5----- | Endrin Ketone | 14 8.7 14 25 | U | K |
| 5103-74-2----- | gamma-Chlordane | 0.87 | U | |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U | |

2/26/03

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB03-1DL

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 5 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|------------|--------------------------|-----|----|
| 309-00-2 | -----Aldrin | 1.7 | U |
| 319-84-6 | -----alpha-BHC | 1.7 | U |
| 319-85-7 | -----beta-BHC | 3.6 | U |
| 319-86-8 | -----delta-BHC | 1.7 | U |
| 58-89-9 | -----gamma-BHC (Lindane) | 1.7 | U |
| 72-54-8 | -----4,4'-DDD | 6.9 | U |
| 72-55-9 | -----4,4'-DDE | 3.6 | U |
| 50-29-3 | -----4,4'-DDT | 11 | U |
| 60-57-1 | -----Dieldrin | 3.6 | U |
| 959-98-8 | -----Endosulfan I | 3.6 | U |
| 33213-65-9 | -----Endosulfan II | 6.9 | U |
| 1031-07-8 | -----Endosulfan sulfate | 6.9 | U |
| 72-20-8 | -----Endrin | 6.9 | U |
| 7421-93-4 | -----Endrin Aldehyde | 10 | D |
| 76-44-8 | -----Heptachlor | 1.7 | U |
| 1024-57-3 | -----Heptachlor Epoxide | 1.7 | U |
| 72-43-5 | -----Methoxychlor | 17 | U |
| 8001-35-2 | -----Toxaphene | 170 | U |
| 12674-11-2 | -----Aroclor-1016 | 140 | U |
| 11104-28-2 | -----Aroclor-1221 | 180 | U |
| 11141-16-5 | -----Aroclor-1232 | 140 | U |
| 53469-21-9 | -----Aroclor-1242 | 95 | U |
| 12672-29-6 | -----Aroclor-1248 | 95 | U |
| 11097-69-1 | -----Aroclor-1254 | 95 | U |
| 11096-82-5 | -----Aroclor-1260 | 140 | U |
| 53494-70-5 | -----Endrin Ketone | 8.6 | DJ |
| 5103-74-2 | -----gamma-Chlordane | 1.7 | U |
| 5103-71-9 | -----alpha-Chlordane | 3.6 | U |

FORM I PEST

3/26/3
2

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB03-4

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-4

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|-----|----|
| 309-00-2----- | Aldrin | 1.0 | U |
| 319-84-6----- | alpha-BHC | 1.0 | U |
| 319-85-7----- | beta-BHC | 2.0 | U |
| 319-86-8----- | delta-BHC | 1.0 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 1.0 | U |
| 72-54-8----- | 4,4'-DDD | 4.0 | U |
| 72-55-9----- | 4,4'-DDE | 2.0 | U |
| 50-29-3----- | 4,4'-DDT | 6.0 | U |
| 60-57-1----- | Dieldrin | 2.0 | U |
| 959-98-8----- | Endosulfan I | 2.0 | U |
| 33213-65-9----- | Endosulfan II | 4.0 | U |
| 1031-07-8----- | Endosulfan sulfate | 4.0 | U |
| 72-20-8----- | Endrin | 4.0 | U |
| 7421-93-4----- | Endrin Aldehyde | 4.0 | U |
| 76-44-8----- | Heptachlor | 1.0 | U |
| 1024-57-3----- | Heptachlor Epoxide | 1.0 | U |
| 72-43-5----- | Methoxychlor | 10 | U |
| 8001-35-2----- | Toxaphene | 100 | U |
| 12674-11-2----- | Aroclor-1016 | 78 | U |
| 11104-28-2----- | Aroclor-1221 | 100 | U |
| 11141-16-5----- | Aroclor-1232 | 78 | U |
| 53469-21-9----- | Aroclor-1242 | 54 | U |
| 12672-29-6----- | Aroclor-1248 | 54 | U |
| 11097-69-1----- | Aroclor-1254 | 54 | U |
| 11096-82-5----- | Aroclor-1260 | 78 | U |
| 53494-70-5----- | Endrin Ketone | 1.5 | JP |
| 5103-74-2----- | gamma-Chlordane | 1.0 | U |
| 5103-71-9----- | alpha-Chlordane | 2.0 | U |

J

3/22/02

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB04-0

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-11

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/20/02

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|-----|----|
| 309-00-2----- | Aldrin | 36 | |
| 319-84-6----- | alpha-BHC | 4.6 | U |
| 319-85-7----- | beta-BHC | 9.3 | U |
| 319-86-8----- | delta-BHC | 4.6 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 4.6 | U |
| 72-54-8----- | 4,4'-DDD | 18 | U |
| 72-55-9----- | 4,4'-DDE | 9.3 | U |
| 50-29-3----- | 4,4'-DDT | 27 | U |
| 60-57-1----- | Dieldrin | 9.3 | U |
| 959-98-8----- | Endosulfan I | 9.3 | U |
| 33213-65-9----- | Endosulfan II | 18 | U |
| 1031-07-8----- | Endosulfan sulfate | 25 | |
| 72-20-8----- | Endrin | 18 | U |
| 7421-93-4----- | Endrin Aldehyde | 18 | U |
| 76-44-8----- | Heptachlor | 4.6 | U |
| 1024-57-3----- | Heptachlor Epoxide | 4.6 | U |
| 72-43-5----- | Methoxychlor | 46 | U |
| 8001-35-2----- | Toxaphene | 460 | U |
| 12674-11-2----- | Aroclor-1016 | 360 | U |
| 11104-28-2----- | Aroclor-1221 | 470 | U |
| 11141-16-5----- | Aroclor-1232 | 360 | U |
| 53469-21-9----- | Aroclor-1242 | 250 | U |
| 12672-29-6----- | Aroclor-1248 | 250 | U |
| 11097-69-1----- | Aroclor-1254 | 250 | U |
| 11096-82-5----- | Aroclor-1260 | 360 | U |
| 53494-70-5----- | Endrin Ketone | 31 | JP |
| 5103-74-2----- | gamma-Chlordane | 4.6 | U |
| 5103-71-9----- | alpha-Chlordane | 9.3 | U |

J
3/22/03

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB04-1

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.91 | U |
| 319-84-6----- | alpha-BHC | 0.91 | U |
| 319-85-7----- | beta-BHC | 1.9 | U |
| 319-86-8----- | delta-BHC | 0.91 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.91 | U |
| 72-54-8----- | 4,4'-DDD | 3.6 | U |
| 72-55-9----- | 4,4'-DDE | 1.9 | U |
| 50-29-3----- | 4,4'-DDT | 5.5 | U |
| 60-57-1----- | Dieldrin | 1.9 | U |
| 959-98-8----- | Endosulfan I | 1.9 | U |
| 33213-65-9----- | Endosulfan II | 3.6 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.6 | U |
| 72-20-8----- | Endrin | 3.6 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.6 | U |
| 76-44-8----- | Heptachlor | 0.91 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.91 | U |
| 72-43-5----- | Methoxychlor | 9.1 | U |
| 8001-35-2----- | Toxaphene | 91 | U |
| 12674-11-2----- | Aroclor-1016 | 71 | U |
| 11104-28-2----- | Aroclor-1221 | 93 | U |
| 11141-16-5----- | Aroclor-1232 | 71 | U |
| 53469-21-9----- | Aroclor-1242 | 49 | U |
| 12672-29-6----- | Aroclor-1248 | 49 | U |
| 11097-69-1----- | Aroclor-1254 | 49 | U |
| 11096-82-5----- | Aroclor-1260 | 71 | U |
| 53494-70-5----- | Endrin Ketone | 6.9 | J |
| 5103-74-2----- | gamma-Chlordane | 0.91 | U |
| 5103-71-9----- | alpha-Chlordane | 1.9 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB04-4

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-13

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|-----|---|
| 309-00-2----- | Aldrin | 1.0 | U |
| 319-84-6----- | alpha-BHC | 1.0 | U |
| 319-85-7----- | beta-BHC | 2.1 | U |
| 319-86-8----- | delta-BHC | 1.0 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 1.0 | U |
| 72-54-8----- | 4,4'-DDD | 4.1 | U |
| 72-55-9----- | 4,4'-DDE | 2.1 | U |
| 50-29-3----- | 4,4'-DDT | 6.2 | U |
| 60-57-1----- | Dieldrin | 7.1 | P |
| 959-98-8----- | Endosulfan I | 2.1 | U |
| 33213-65-9----- | Endosulfan II | 4.1 | U |
| 1031-07-8----- | Endosulfan sulfate | 13 | |
| 72-20-8----- | Endrin | 4.1 | U |
| 7421-93-4----- | Endrin Aldehyde | 4.1 | U |
| 76-44-8----- | Heptachlor | 1.0 | U |
| 1024-57-3----- | Heptachlor Epoxide | 1.0 | U |
| 72-43-5----- | Methoxychlor | 10 | U |
| 8001-35-2----- | Toxaphene | 100 | U |
| 12674-11-2----- | Aroclor-1016 | 80 | U |
| 11104-28-2----- | Aroclor-1221 | 100 | U |
| 11141-16-5----- | Aroclor-1232 | 80 | U |
| 53469-21-9----- | Aroclor-1242 | 56 | U |
| 12672-29-6----- | Aroclor-1248 | 56 | U |
| 11097-69-1----- | Aroclor-1254 | 56 | U |
| 11096-82-5----- | Aroclor-1260 | 80 | U |
| 53494-70-5----- | Endrin Ketone | 7.3 | J |
| 5103-74-2----- | gamma-Chlordane | 1.0 | U |
| 5103-71-9----- | alpha-Chlordane | 2.1 | U |

3/22/03

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB05-0

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-14

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 6 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/20/02

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|-----------------|---------------------|---|---|
| 309-00-2----- | Aldrin | 73 | E |
| 319-84-6----- | alpha-BHC | 4.4 | U |
| 319-85-7----- | beta-BHC | 9.0 | U |
| 319-86-8----- | delta-BHC | 4.4 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 4.4 | U |
| 72-54-8----- | 4,4'-DDD | 18 | U |
| 72-55-9----- | 4,4'-DDE | 9.0 | U |
| 50-29-3----- | 4,4'-DDT | 27 | U |
| 60-57-1----- | Dieldrin | 9.0 | U |
| 959-98-8----- | Endosulfan I | 9.0 | U |
| 33213-65-9----- | Endosulfan II | 18 | U |
| 1031-07-8----- | Endosulfan sulfate | 81 | U |
| 72-20-8----- | Endrin | 18 | U |
| 7421-93-4----- | Endrin Aldehyde | 18 | U |
| 76-44-8----- | Heptachlor | 6.1 | U |
| 1024-57-3----- | Heptachlor Epoxide | 4.4 | U |
| 72-43-5----- | Methoxychlor | 44 | U |
| 8001-35-2----- | Toxaphene | 440 | U |
| 12674-11-2----- | Aroclor-1016 | 350 | U |
| 11104-28-2----- | Aroclor-1221 | 450 | U |
| 11141-16-5----- | Aroclor-1232 | 350 | U |
| 53469-21-9----- | Aroclor-1242 | 240 | U |
| 12672-29-6----- | Aroclor-1248 | 240 | U |
| 11097-69-1----- | Aroclor-1254 | 240 | U |
| 11096-82-5----- | Aroclor-1260 | 350 | U |
| 53494-70-5----- | Endrin Ketone | 110 | U |
| 5103-74-2----- | gamma-Chlordane | 4.4 | U |
| 5103-71-9----- | alpha-Chlordane | 9.0 | U |

J
3/27/03

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB05-ODL

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-14

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 6 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|---------------------|------|-----|
| 309-00-2----- | Aldrin | 88 | U |
| 319-84-6----- | alpha-BHC | 88 | U |
| 319-85-7----- | beta-BHC | 180 | U |
| 319-86-8----- | delta-BHC | 88 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 88 | U |
| 72-54-8----- | 4,4'-DDD | 350 | U |
| 72-55-9----- | 4,4'-DDE | 180 | U |
| 50-29-3----- | 4,4'-DDT | 530 | U |
| 60-57-1----- | Dieldrin | 180 | U |
| 959-98-8----- | Endosulfan I | 180 | U |
| 33213-65-9----- | Endosulfan II | 350 | U |
| 1031-07-8----- | Endosulfan sulfate | 110 | DJ |
| 72-20-8----- | Endrin | 350 | U |
| 7421-93-4----- | Endrin Aldehyde | 350 | U |
| 76-44-8----- | Heptachlor | 88 | U |
| 1024-57-3----- | Heptachlor Epoxide | 88 | U |
| 72-43-5----- | Methoxychlor | 880 | U |
| 8001-35-2----- | Toxaphene | 8800 | U |
| 12674-11-2----- | Aroclor-1016 | 6900 | U |
| 11104-28-2----- | Aroclor-1221 | 9000 | U |
| 11141-16-5----- | Aroclor-1232 | 6900 | U |
| 53469-21-9----- | Aroclor-1242 | 4800 | U |
| 12672-29-6----- | Aroclor-1248 | 4800 | U |
| 11097-69-1----- | Aroclor-1254 | 4800 | U |
| 11096-82-5----- | Aroclor-1260 | 6900 | U |
| 53494-70-5----- | Endrin Ketone | 72 | DJP |
| 5103-74-2----- | gamma-Chlordane | 88 | U |
| 5103-71-9----- | alpha-Chlordane | 180 | U |

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB05-1

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-15

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 6 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/19/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|----|
| 309-00-2----- | Aldrin | 0.88 | U |
| 319-84-6----- | alpha-BHC | 0.74 | J |
| 319-85-7----- | beta-BHC | 1.8 | U |
| 319-86-8----- | delta-BHC | 0.66 | J |
| 58-89-9----- | gamma-BHC (Lindane) | 0.88 | U |
| 72-54-8----- | 4,4'-DDD | 3.5 | U |
| 72-55-9----- | 4,4'-DDE | 1.8 | U |
| 50-29-3----- | 4,4'-DDT | 5.3 | U |
| 60-57-1----- | Dieldrin | 1.8 | U |
| 959-98-8----- | Endosulfan I | 1.8 | U |
| 33213-65-9----- | Endosulfan II | 3.5 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.80 | J |
| 72-20-8----- | Endrin | 3.5 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.5 | U |
| 76-44-8----- | Heptachlor | 1.0 | P |
| 1024-57-3----- | Heptachlor Epoxide | 0.88 | U |
| 72-43-5----- | Methoxychlor | 8.8 | U |
| 8001-35-2----- | Toxaphene | 88 | U |
| 12674-11-2----- | Aroclor-1016 | 69 | U |
| 11104-28-2----- | Aroclor-1221 | 90 | U |
| 11141-16-5----- | Aroclor-1232 | 69 | U |
| 53469-21-9----- | Aroclor-1242 | 48 | U |
| 12672-29-6----- | Aroclor-1248 | 48 | U |
| 11097-69-1----- | Aroclor-1254 | 48 | U |
| 11096-82-5----- | Aroclor-1260 | 69 | U |
| 53494-70-5----- | Endrin Ketone | 4.2 | JP |
| 5103-74-2----- | gamma-Chlordane | 0.88 | U |
| 5103-71-9----- | alpha-Chlordane | 1.8 | U |

J

J

3/27/03
2

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-SB05-4

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-16

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N

Date Received: 12/06/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/10/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/19/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 1.0 | U |
| 319-84-6----- | alpha-BHC | 0.53 | J |
| 319-85-7----- | beta-BHC | 2.1 | U |
| 319-86-8----- | delta-BHC | 1.0 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 1.0 | U |
| 72-54-8----- | 4,4'-DDD | 4.1 | U |
| 72-55-9----- | 4,4'-DDE | 2.1 | U |
| 50-29-3----- | 4,4'-DDT | 6.2 | U |
| 60-57-1----- | Dieldrin | 2.1 | U |
| 959-98-8----- | Endosulfan I | 2.1 | U |
| 33213-65-9----- | Endosulfan II | 4.1 | U |
| 1031-07-8----- | Endosulfan sulfate | 4.1 | U |
| 72-20-8----- | Endrin | 4.1 | U |
| 7421-93-4----- | Endrin Aldehyde | 4.1 | U |
| 76-44-8----- | Heptachlor | 1.0 | U |
| 1024-57-3----- | Heptachlor Epoxide | 1.0 | U |
| 72-43-5----- | Methoxychlor | 10 | U |
| 8001-35-2----- | Toxaphene | 100 | U |
| 12674-11-2----- | Aroclor-1016 | 80 | U |
| 11104-28-2----- | Aroclor-1221 | 100 | U |
| 11141-16-5----- | Aroclor-1232 | 80 | U |
| 53469-21-9----- | Aroclor-1242 | 56 | U |
| 12672-29-6----- | Aroclor-1248 | 56 | U |
| 11097-69-1----- | Aroclor-1254 | 56 | U |
| 11096-82-5----- | Aroclor-1260 | 80 | U |
| 53494-70-5----- | Endrin Ketone | 7.1 | J |
| 5103-74-2----- | gamma-Chlordane | 1.0 | U |
| 5103-71-9----- | alpha-Chlordane | 2.1 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW10-1

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: R2812-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N

Date Received: 12/04/02

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/08/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/14/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|---------------------|------|---|
| 309-00-2----- | Aldrin | 0.91 | U |
| 319-84-6----- | alpha-BHC | 0.91 | U |
| 319-85-7----- | beta-BHC | 2.4 | P |
| 319-86-8----- | delta-BHC | 0.91 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.91 | U |
| 72-54-8----- | 4,4'-DDD | 3.6 | U |
| 72-55-9----- | 4,4'-DDE | 1.9 | U |
| 50-29-3----- | 4,4'-DDT | 5.5 | U |
| 60-57-1----- | Dieldrin | 1.9 | U |
| 959-98-8----- | Endosulfan I | 1.9 | U |
| 33213-65-9---- | Endosulfan II | 3.6 | U |
| 1031-07-8----- | Endosulfan sulfate | 3.6 | U |
| 72-20-8----- | Endrin | 3.6 | U |
| 7421-93-4----- | Endrin Aldehyde | 3.6 | U |
| 76-44-8----- | Heptachlor | 0.91 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.91 | U |
| 72-43-5----- | Methoxychlor | 9.1 | U |
| 8001-35-2----- | Toxaphene | 91 | U |
| 12674-11-2----- | Aroclor-1016 | 71 | U |
| 11104-28-2----- | Aroclor-1221 | 93 | U |
| 11141-16-5----- | Aroclor-1232 | 71 | U |
| 53469-21-9----- | Aroclor-1242 | 49 | U |
| 12672-29-6----- | Aroclor-1248 | 49 | U |
| 11097-69-1----- | Aroclor-1254 | 49 | U |
| 11096-82-5----- | Aroclor-1260 | 71 | U |
| 53494-70-5----- | Endrin Ketone | 9.1 | U |
| 5103-74-2----- | gamma-Chlordane | 0.91 | U |
| 5103-71-9----- | alpha-Chlordane | 1.9 | U |

J
3/27/02

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GMW055

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812
Matrix (soil/water): SOIL Lab Sample ID: R2812-18
Level (low/med): LOW Date Received: 12/12/02
% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7439-89-6 | Iron | 392 | | | P |

Color Before: BROWN Clarity Before: _____ Texture: COARSE
Color After: YELLOW Clarity After: _____ Artifacts: _____
Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GMW06

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812
Matrix (soil/water): SOIL Lab Sample ID: R2812-20
Level (low/med): LOW Date Received: 12/12/02
% Solids: 80.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7439-89-6 | Iron | 814 | | | P |

Color Before: BROWN Clarity Before: _____ Texture: COARSE
Color After: YELLOW Clarity After: _____ Artifacts: _____
Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GMW09

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812
Matrix (soil/water): SOIL Lab Sample ID: R2812-19
Level (low/med): LOW Date Received: 12/12/02
% Solids: 80.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7439-89-6 | Iron | 596 | | | P |

Color Before: GRAY Clarity Before: _____ Texture: COARSE
Color After: YELLOW Clarity After: _____ Artifacts: _____
Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW10-1

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: R2812
 Matrix (soil/water): SOIL Lab Sample ID: R2812-1
 Level (low/med): LOW Date Received: 12/04/02
 % Solids: 90.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 1140 | | | P |
| 7440-36-0 | Antimony | 0.41 | B | | P |
| 7440-38-2 | Arsenic | 1.2 | | | P |
| 7440-39-3 | Barium | 4.3 | | | P |
| 7440-41-7 | Beryllium | 0.04 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 269 | | | P |
| 7440-47-3 | Chromium | 4.4 | | | P |
| 7440-48-4 | Cobalt | 0.54 | B | | P |
| 7440-50-8 | Copper | 0.39 | B | | P |
| 7439-89-6 | Iron | 1510 | | | P |
| 7439-92-1 | Lead | 2.6 | | N* | P |
| 7439-95-4 | Magnesium | 91.7 | B | E | P |
| 7439-96-5 | Manganese | 4.6 | | | P |
| 7439-97-6 | Mercury | 0.018 | U | | CV |
| 7440-02-0 | Nickel | 0.76 | | | P |
| 7440-09-7 | Potassium | 157 | | | P |
| 7782-49-2 | Selenium | 0.36 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 57.2 | B | | P |
| 7440-28-0 | Thallium | 0.56 | U | N | P |
| 7440-62-2 | Vanadium | 3.6 | | | P |
| 7440-66-6 | Zinc | 5.4 | | | P |

Color Before: BROWN Clarity Before: _____ Texture: COARSE
 Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-MW11-0

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLab Sample ID: R2812-17Level (low/med): LOWDate Received: 12/06/02% Solids: 91.3

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 739 | | | P |
| 7440-36-0 | Antimony | 2.1 | | | P |
| 7440-38-2 | Arsenic | 0.56 | B | | P |
| 7440-39-3 | Barium | 11.6 | | | P |
| 7440-41-7 | Beryllium | 0.05 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 110 | | | P |
| 7440-47-3 | Chromium | 6.0 | | | P |
| 7440-48-4 | Cobalt | 0.48 | B | | P |
| 7440-50-8 | Copper | 14.4 | | | P |
| 7439-89-6 | Iron | 1900 | | | P |
| 7439-92-1 | Lead | 33.9 | | N* | P |
| 7439-95-4 | Magnesium | 84.3 | B | E | P |
| 7439-96-5 | Manganese | 8.0 | | | P |
| 7439-97-6 | Mercury | 0.016 | U | | CV |
| 7440-02-0 | Nickel | 0.66 | | | P |
| 7440-09-7 | Potassium | 111 | | | P |
| 7782-49-2 | Selenium | 0.37 | B | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 127 | B | | P |
| 7440-28-0 | Thallium | 0.54 | U | N | P |
| 7440-62-2 | Vanadium | 2.9 | | | P |
| 7440-66-6 | Zinc | 66.3 | | | P |

Color Before: BROWN

Clarity Before: _____

Texture: COARSEColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB01-0

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: R2812

Matrix (soil/water): SOIL Lab Sample ID: R2812-8

Level (low/med): LOW Date Received: 12/06/02

% Solids: 98.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 424 | | | P |
| 7440-36-0 | Antimony | 0.46 | B | | P |
| 7440-38-2 | Arsenic | 0.24 | U | | P |
| 7440-39-3 | Barium | 1.6 | | | P |
| 7440-41-7 | Beryllium | 0.01 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 44.0 | B | | P |
| 7440-47-3 | Chromium | 1.0 | | | P |
| 7440-48-4 | Cobalt | 0.17 | B | | P |
| 7440-50-8 | Copper | 0.14 | U | | P |
| 7439-89-6 | Iron | 760 | | | P |
| 7439-92-1 | Lead | 0.84 | | N* | P |
| 7439-95-4 | Magnesium | 55.5 | B | E | P |
| 7439-96-5 | Manganese | 6.3 | | | P |
| 7439-97-6 | Mercury | 0.016 | U | | CV |
| 7440-02-0 | Nickel | 0.13 | B | | P |
| 7440-09-7 | Potassium | 64.9 | B | | P |
| 7782-49-2 | Selenium | 0.32 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 44.5 | B | | P |
| 7440-28-0 | Thallium | 0.50 | U | N | P |
| 7440-62-2 | Vanadium | 1.4 | B | | P |
| 7440-66-6 | Zinc | 1.8 | B | | P |

B

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2

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UL

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB01-1

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLab Sample ID: R2812-9Level (low/med): LOWDate Received: 12/06/02% Solids: 94.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 313 | | | P |
| 7440-36-0 | Antimony | 0.39 | U | | P |
| 7440-38-2 | Arsenic | 0.34 | B | | P |
| 7440-39-3 | Barium | 2.0 | | | P |
| 7440-41-7 | Beryllium | 0.02 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 67.1 | B | | P |
| 7440-47-3 | Chromium | 2.2 | | | P |
| 7440-48-4 | Cobalt | 0.21 | B | | P |
| 7440-50-8 | Copper | 0.15 | U | | P |
| 7439-89-6 | Iron | 1030 | | | P |
| 7439-92-1 | Lead | 0.85 | | N* | P |
| 7439-95-4 | Magnesium | 81.2 | B | E | P |
| 7439-96-5 | Manganese | 8.0 | | | P |
| 7439-97-6 | Mercury | 0.015 | U | | CV |
| 7440-02-0 | Nickel | 0.16 | B | | P |
| 7440-09-7 | Potassium | 94.4 | B | | P |
| 7782-49-2 | Selenium | 0.35 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 49.7 | B | | P |
| 7440-28-0 | Thallium | 0.53 | U | N | P |
| 7440-62-2 | Vanadium | 1.6 | B | | P |
| 7440-66-6 | Zinc | 2.6 | | | P |

Color Before: BROWN

Clarity Before: _____

Texture: COARSEColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB01-4

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLab Sample ID: R2812-10Level (low/med): LOWDate Received: 12/06/02% Solids: 80.5

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 135 | | | P |
| 7440-36-0 | Antimony | 0.45 | U | | P |
| 7440-38-2 | Arsenic | 0.30 | U | | P |
| 7440-39-3 | Barium | 1.0 | B | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.05 | U | | P |
| 7440-70-2 | Calcium | 25.0 | B | | P |
| 7440-47-3 | Chromium | 1.6 | | | P |
| 7440-48-4 | Cobalt | 0.07 | U | | P |
| 7440-50-8 | Copper | 0.17 | U | | P |
| 7439-89-6 | Iron | 335 | | | P |
| 7439-92-1 | Lead | 0.50 | | N* | P |
| 7439-95-4 | Magnesium | 20.8 | B | E | P |
| 7439-96-5 | Manganese | 2.5 | | | P |
| 7439-97-6 | Mercury | 0.020 | U | | CV |
| 7440-02-0 | Nickel | 0.14 | B | | P |
| 7440-09-7 | Potassium | 39.7 | B | | P |
| 7782-49-2 | Selenium | 0.40 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 61.7 | B | | P |
| 7440-28-0 | Thallium | 0.62 | U | N | P |
| 7440-62-2 | Vanadium | 0.76 | B | | P |
| 7440-66-6 | Zinc | 1.6 | B | | P |

Color Before: GRAY

Clarity Before: _____

Texture: COARSEColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB02-0

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLab Sample ID: R2812-5Level (low/med): LOWDate Received: 12/06/02% Solids: 97.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 1970 | | | P |
| 7440-36-0 | Antimony | 0.35 | B | | P |
| 7440-38-2 | Arsenic | 0.35 | B | | P |
| 7440-39-3 | Barium | 5.1 | | | P |
| 7440-41-7 | Beryllium | 0.04 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 61.2 | B | | P |
| 7440-47-3 | Chromium | 3.0 | | | P |
| 7440-48-4 | Cobalt | 0.35 | B | | P |
| 7440-50-8 | Copper | 0.38 | B | | P |
| 7439-89-6 | Iron | 2650 | | | P |
| 7439-92-1 | Lead | 2.7 | | N* | P |
| 7439-95-4 | Magnesium | 114 | | E | P |
| 7439-96-5 | Manganese | 11.0 | | | P |
| 7439-97-6 | Mercury | 0.017 | U | | CV |
| 7440-02-0 | Nickel | 0.84 | | | P |
| 7440-09-7 | Potassium | 161 | | | P |
| 7782-49-2 | Selenium | 0.32 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 51.3 | B | | P |
| 7440-28-0 | Thallium | 0.49 | U | N | P |
| 7440-62-2 | Vanadium | 5.3 | | | P |
| 7440-66-6 | Zinc | 4.1 | | | P |

Color Before: BROWN

Clarity Before: _____

Texture: COARSEColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

3/2 + 1/3
2

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB02-1

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLab Sample ID: R2812-6Level (low/med): LOWDate Received: 12/06/02% Solids: 92.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 225 | | | P |
| 7440-36-0 | Antimony | 0.49 | B | | P |
| 7440-38-2 | Arsenic | 0.27 | U | | P |
| 7440-39-3 | Barium | 2.2 | | | P |
| 7440-41-7 | Beryllium | 0.02 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 41.1 | B | | P |
| 7440-47-3 | Chromium | 1.4 | | | P |
| 7440-48-4 | Cobalt | 0.17 | B | | P |
| 7440-50-8 | Copper | 0.15 | U | | P |
| 7439-89-6 | Iron | 769 | | | P |
| 7439-92-1 | Lead | 1.1 | | N* | P |
| 7439-95-4 | Magnesium | 40.6 | B | E | P |
| 7439-96-5 | Manganese | 5.5 | | | P |
| 7439-97-6 | Mercury | 0.016 | U | | CV |
| 7440-02-0 | Nickel | 0.21 | B | | P |
| 7440-09-7 | Potassium | 63.5 | B | | P |
| 7782-49-2 | Selenium | 0.35 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 52.2 | B | | P |
| 7440-28-0 | Thallium | 0.54 | U | N | P |
| 7440-62-2 | Vanadium | 1.2 | B | | P |
| 7440-66-6 | Zinc | 5.3 | | | P |

Color Before: BROWN

Clarity Before: _____

Texture: COARSEColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB02-4

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812

Matrix (soil/water): SOIL Lab Sample ID: R2812-7

Level (low/med): LOW Date Received: 12/06/02

% Solids: 80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 142 | | | P |
| 7440-36-0 | Antimony | 0.45 | U | | P |
| 7440-38-2 | Arsenic | 0.30 | U | | P |
| 7440-39-3 | Barium | 1.3 | | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.05 | U | | P |
| 7440-70-2 | Calcium | 64.7 | B | | P |
| 7440-47-3 | Chromium | 1.4 | | | P |
| 7440-48-4 | Cobalt | 0.07 | U | | P |
| 7440-50-8 | Copper | 0.17 | U | | P |
| 7439-89-6 | Iron | 395 | | | P |
| 7439-92-1 | Lead | 0.66 | | N* | P |
| 7439-95-4 | Magnesium | 22.1 | B | E | P |
| 7439-96-5 | Manganese | 1.9 | | | P |
| 7439-97-6 | Mercury | 0.019 | U | | CV |
| 7440-02-0 | Nickel | 0.12 | U | | P |
| 7440-09-7 | Potassium | 62.7 | B | | P |
| 7782-49-2 | Selenium | 0.40 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 77.7 | B | | P |
| 7440-28-0 | Thallium | 0.62 | U | N | P |
| 7440-62-2 | Vanadium | 0.89 | B | | P |
| 7440-66-6 | Zinc | 15.8 | | | P |

Color Before: GRAY Clarity Before: _____ Texture: COARSE

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB03-0

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812

Matrix (soil/water): SOIL

Lab Sample ID: R2812-2

Level (low/med): LOW

Date Received: 12/06/02

% Solids: 97.2

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|----|---|----|
| 7429-90-5 | Aluminum | 1760 | | | P |
| 7440-36-0 | Antimony | 0.47 | B | | P |
| 7440-38-2 | Arsenic | 0.41 | B | | P |
| 7440-39-3 | Barium | 4.6 | | | P |
| 7440-41-7 | Beryllium | 0.04 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 92.9 | B | | P |
| 7440-47-3 | Chromium | 3.1 | | | P |
| 7440-48-4 | Cobalt | 0.30 | B | | P |
| 7440-50-8 | Copper | 0.13 | U | | P |
| 7439-89-6 | Iron | 2640 | | | P |
| 7439-92-1 | Lead | 2.6 | N* | | P |
| 7439-95-4 | Magnesium | 129 | E | | P |
| 7439-96-5 | Manganese | 13.4 | | | P |
| 7439-97-6 | Mercury | 0.015 | U | | CV |
| 7440-02-0 | Nickel | 0.69 | | | P |
| 7440-09-7 | Potassium | 173 | | | P |
| 7782-49-2 | Selenium | 0.42 | B | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 50.3 | B | | P |
| 7440-28-0 | Thallium | 0.49 | U | N | P |
| 7440-62-2 | Vanadium | 5.0 | | | P |
| 7440-66-6 | Zinc | 3.9 | | | P |

Color Before: BROWN

Clarity Before: _____

Texture: COARSE

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB03-1

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812

Matrix (soil/water): SOIL Lab Sample ID: R2812-3

Level (low/med): LOW Date Received: 12/06/02

% Solids: 95.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 216 | | | P |
| 7440-36-0 | Antimony | 0.44 | B | | P |
| 7440-38-2 | Arsenic | 0.41 | B | | P |
| 7440-39-3 | Barium | 1.4 | | | P |
| 7440-41-7 | Beryllium | 0.02 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 20.5 | B | | P |
| 7440-47-3 | Chromium | 2.0 | | | P |
| 7440-48-4 | Cobalt | 0.22 | B | | P |
| 7440-50-8 | Copper | 0.14 | U | | P |
| 7439-89-6 | Iron | 910 | | | P |
| 7439-92-1 | Lead | 0.86 | | N* | P |
| 7439-95-4 | Magnesium | 36.0 | B | E | P |
| 7439-96-5 | Manganese | 9.2 | | | P |
| 7439-97-6 | Mercury | 0.015 | U | | CV |
| 7440-02-0 | Nickel | 0.35 | B | | P |
| 7440-09-7 | Potassium | 59.8 | B | | P |
| 7782-49-2 | Selenium | 0.32 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 48.1 | B | | P |
| 7440-28-0 | Thallium | 0.50 | U | N | P |
| 7440-62-2 | Vanadium | 1.2 | B | | P |
| 7440-66-6 | Zinc | 1.6 | B | | P |

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB03-4

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812

Matrix (soil/water): SOIL Lab Sample ID: R2812-4

Level (low/med): LOW Date Received: 12/06/02

% Solids: 82.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 184 | | | P |
| 7440-36-0 | Antimony | 0.64 | B | | P |
| 7440-38-2 | Arsenic | 0.28 | U | | P |
| 7440-39-3 | Barium | 0.98 | B | | P |
| 7440-41-7 | Beryllium | 0.01 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 18.2 | B | | P |
| 7440-47-3 | Chromium | 1.4 | | | P |
| 7440-48-4 | Cobalt | 0.10 | B | | P |
| 7440-50-8 | Copper | 0.16 | U | | P |
| 7439-89-6 | Iron | 619 | | | P |
| 7439-92-1 | Lead | 0.75 | | N* | P |
| 7439-95-4 | Magnesium | 25.3 | B | E | P |
| 7439-96-5 | Manganese | 2.4 | | | P |
| 7439-97-6 | Mercury | 0.020 | U | | CV |
| 7440-02-0 | Nickel | 0.11 | U | | P |
| 7440-09-7 | Potassium | 56.2 | B | | P |
| 7782-49-2 | Selenium | 0.37 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 56.7 | B | | P |
| 7440-28-0 | Thallium | 0.57 | U | N | P |
| 7440-62-2 | Vanadium | 1.3 | B | | P |
| 7440-66-6 | Zinc | 1.5 | B | | P |

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC CASE SUMMARY NARRATIVE
SDG # S2812
PROTOCOL #SW-846

The indicated Sample Delivery Group (SDG) consisting of two (2) water samples was received into the laboratory management system (LIMS) on December 9, 11, 2002 intact and in good condition with Chain of Custody (COC) records in order. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were analyzed for the metallic TAL list using analytical methods delineated in SW-846 (update III).

SAMPLE IDs:

The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, CCB) and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within SW-846 allowable limits.

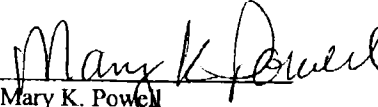
SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCSW & PBW) were found to be within acceptable ranges. All field samples were run within contract holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix quality control was not requested on this SDG. The samples are rinsate blanks. An LCS was performed.

Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.


Mary K. Powell
Data Reviewer II
December 20, 2002

Note: This report is paginated for reference and accountability.

2B-IN
CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: S2812

AA CRDL Standard Source: HIPUR

ICP CRDL Standard Source: HIPUR

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|-----------|------|-------|-------|-----------------------|------------------|---------------|----------------|-------------|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R |
| Aluminum | | | | 100.0 | 111.14 | 111.1 | | |
| Antimony | | | | 10.0 | 9.68 | 96.8 | | |
| Arsenic | | | | 10.0 | 10.71 | 107.1 | | |
| Barium | | | | 10.0 | 10.67 | 106.7 | | |
| Beryllium | | | | 5.0 | 5.12 | 102.4 | | |
| Cadmium | | | | 5.0 | 5.41 | 108.2 | | |
| Calcium | | | | 1000.0 | 1026.62 | 102.7 | | |
| Chromium | | | | 5.0 | 5.00 | 100.0 | | |
| Cobalt | | | | 5.0 | 5.25 | 105.0 | | |
| Copper | | | | 5.0 | 5.26 | 105.2 | | |
| Iron | | | | 100.0 | 103.11 | 103.1 | | |
| Lead | | | | 3.0 | 4.13 | 137.7 | | |
| Magnesium | | | | 1000.0 | 996.84 | 99.7 | | |
| Manganese | | | | 10.0 | 10.08 | 100.8 | | |
| Mercury | 0.2 | 0.24 | 120.0 | | | | | |
| Nickel | | | | 5.0 | 5.15 | 103.0 | | |
| Potassium | | | | 1000.0 | 1103.84 | 110.4 | | |
| Selenium | | | | 5.0 | 5.70 | 114.0 | | |
| Silver | | | | 5.0 | 4.58 | 91.6 | | |
| Sodium | | | | 2000.0 | 1560.94 | 78.0 | | |
| Thallium | | | | 10.0 | 11.34 | 113.4 | | |
| Vanadium | | | | 20.0 | 20.13 | 100.6 | | |
| Zinc | | | | 20.0 | 20.82 | 104.1 | | |

Control Limits: no limits have been established by EPA at this time

PREPARATION LOG

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: S2812Method: P

| EPA Sample No. | Preparation Date | | Volume (mL) |
|-------------------|---------------------|--|----------------|
| ER-SS-120402 | 12/18/02 | | 50.0 |
| ER-SS-121002 | 12/18/02 | | 50.0 |
| LCSW | 12/18/02 | | 50.0 |
| PBW | 12/18/02 | | 50.0 |

PREPARATION LOG

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: S2812Method: CV

| EPA Sample No. | Preparation Date | | Volume (mL) |
|-------------------|---------------------|--|----------------|
| ER-SS-120402 | 12/18/02 | | 100.0 |
| ER-SS-121002 | 12/18/02 | | 100.0 |
| LCSW | 12/18/02 | | 100.0 |
| PBW | 12/18/02 | | 100.0 |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: S2812Instrument ID Number: V3Method: CVStart Date: 12/19/02End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V L | Z N | C N | | | | |
| S0 | 1.00 | 1030 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| S0.2 | 1.00 | 1032 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| S0.5 | 1.00 | 1035 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| S1 | 1.00 | 1037 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| S5 | 1.00 | 1040 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| S10 | 1.00 | 1042 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| ICV | 1.00 | 1045 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| ICB | 1.00 | 1047 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| CRA | 1.00 | 1050 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| CCV | 1.00 | 1052 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| CCB | 1.00 | 1054 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1057 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1059 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1103 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1106 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1108 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1112 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1114 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1117 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1119 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| CCB | 1.00 | 1121 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1124 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1126 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1128 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1132 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1135 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1137 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1139 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1141 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1144 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1146 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| CCB | 1.00 | 1148 | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1153 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: S2812
 Instrument ID Number: V3 Method: CV
 Start Date: 12/19/02 End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A L | N T | V L | Z N | C N | | | | | |
| ZZZZZZ | 1.00 | 1157 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1202 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1204 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1207 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1209 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1211 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1213 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 1216 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1218 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1222 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1225 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1227 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1229 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1231 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1234 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1236 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1238 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1240 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 1243 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1245 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1247 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1249 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1252 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1254 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1256 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1258 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBW | 1.00 | 1303 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| LCSW | 1.00 | 1305 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| CCV | 1.00 | 1308 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 1310 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| ER-SS-120402 | 1.00 | 1312 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| ER-SS-121002 | 1.00 | 1315 | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1317 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1319 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1321 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: S2812Instrument ID Number: V3Method: CVStart Date: 12/19/02End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A A | N L | T V | Z N |
| ZZZZZZ | 1.00 | 1324 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1326 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1328 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1331 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1333 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1335 | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1338 | | | | | | | | | | | | | | | | X | | | | | | | |
| | | | | | | | | | | | | | | | | | | X | | | | | | | |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: S2812Instrument ID Number: P4Method: PStart Date: 12/19/02End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | C F | P B | M G | M N | H G | N I | K E | S G | A L | N T | V L | Z N | C N | |
| S0 | 1.00 | 1332 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| S | 1.00 | 1341 | | | | | | | X | | X | | X | | | | X | | X | X | | X | | X | | | |
| S | 1.00 | 1349 | | X | | | | | | X | | | X | X | | | | | | | | | | | | | |
| S | 1.00 | 1354 | | | | X | X | X | | | | X | | | | X | | | | | | | X | | | | |
| S | 1.00 | 1400 | | | | | | | | | | | | | | | | X | | | X | | | | | | |
| S | 1.00 | 1406 | | | X | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1412 | | X | | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | | X | X | X | | |
| ICV | 1.00 | 1420 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1428 | | | X | X | | | | | | | | X | | | | | X | X | | X | | | | | |
| ICB | 1.00 | 1436 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| ZZZZZZ | 1.00 | 1449 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1457 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| ICSAB | 1.00 | 1509 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| CCV | 1.00 | 1517 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| CCB | 1.00 | 1525 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| LRS | 1.00 | 1535 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| ZZZZZZ | 1.00 | 1543 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1551 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1558 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1606 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1613 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1621 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1628 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1636 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1644 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1651 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| CCB | 1.00 | 1659 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| PBW | 1.00 | 1706 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| LCSW | 1.00 | 1714 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| ER-SS-120402 | 1.00 | 1721 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| ER-SS-121002 | 1.00 | 1729 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| ZZZZZZ | 1.00 | 1737 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1744 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1752 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1759 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1807 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1814 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1822 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEMLab Code: LIBRTY

Case No.: _____

Contract: _____

Instrument ID Number: P4

SAS No.: _____

SDG No.: S2812Start Date: 12/19/02Method: PEnd Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A A | N L | T V | Z N |
| CCB | 1.00 | 1830 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG #T2812

SAMPLE IDENTIFICATIONS: GW-MW01 GW-MW02 GW-MW02-D TRIPBLANK 1-7 GW-MW08
GW-MW10 GW-MW11 GW-MW07 GW-MW09 GW-MW05 GW-MW06 GW-MW03 ER-SS-010803
ER-SS-010903 TRIPBLANK 1-8 TRIPBLANK 1-9

The sixteen water samples listed above were received intact, at 2.6, 3.3, 3.7, 2.1, 2.4, 3.2, 2.2, and 3.1 degrees C, in sealed shipping containers, on January 08, 09, 10, and 15, 2003. The majority of samples were submitted for volatile, TSS, TDS, semivolatile, pesticide-PCB, and metals analysis, and samples TRIPBLANK 1-7, TRIPBLANK 1-8, and TRIPBLANK 1-9 were submitted for volatile only analysis. The volatile samples were prepared and analyzed following SW846 Method 8260B, and this portion of the SDG narrative will only cover the volatile data. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # T2812 are included in the sample data sections.

Analysis Holding Time(AHT) requirements were met for all samples, and all sample pH values were less than 2.0. A copy of the pH results accompanies this narrative.

No Target Compound List(TCL) analytes were identified above the reporting limits in the submitted samples with the exception of tetrachloroethene in GW-MW08.

Other than laboratory artifact peaks, no reportable Tentatively Identified Compounds (TICs) were present in the submitted samples.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.


The system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples, and all of the internal standards met retention time and response criteria in the analyses of these samples.

The associated method blanks met all quality control criteria, and did not contain any target analytes above the reporting limits.

Duplicate matrix spikes were generated from GW-MW11 as requested, and met the majority of QC precision and accuracy criteria. The associated Laboratory Control Samples (LCSs) met all accuracy requirements.

Manual quantitations were performed on the process files in some of the the associated initial, and continuing calibration(s), and in sample GW-MW07. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Roy Sutton

Case Reviewer

January 27, 2003

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB04-0

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812

Matrix (soil/water): SOIL Lab Sample ID: R2812-11

Level (low/med): LOW Date Received: 12/06/02

% Solids: 90.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|----|---|----|
| 7429-90-5 | Aluminum | 8530 | | | P |
| 7440-36-0 | Antimony | 0.38 | U | | P |
| 7440-38-2 | Arsenic | 0.92 | B | | P |
| 7440-39-3 | Barium | 14.1 | | | P |
| 7440-41-7 | Beryllium | 0.12 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 182 | | | P |
| 7440-47-3 | Chromium | 10.0 | | | P |
| 7440-48-4 | Cobalt | 0.73 | | | P |
| 7440-50-8 | Copper | 1.0 | | | P |
| 7439-89-6 | Iron | 9060 | | | P |
| 7439-92-1 | Lead | 6.9 | N* | | P |
| 7439-95-4 | Magnesium | 337 | E | | P |
| 7439-96-5 | Manganese | 24.1 | | | P |
| 7439-97-6 | Mercury | 0.020 | B | | CV |
| 7440-02-0 | Nickel | 2.3 | | | P |
| 7440-09-7 | Potassium | 445 | | | P |
| 7782-49-2 | Selenium | 0.74 | | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 68.5 | B | | P |
| 7440-28-0 | Thallium | 0.53 | U | N | P |
| 7440-62-2 | Vanadium | 19.4 | | | P |
| 7440-66-6 | Zinc | 8.7 | | | P |

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB04-1

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812

Matrix (soil/water): SOIL Lab Sample ID: R2812-12

Level (low/med): LOW Date Received: 12/06/02

% Solids: 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 272 | | | P |
| 7440-36-0 | Antimony | 0.39 | U | | P |
| 7440-38-2 | Arsenic | 0.26 | U | | P |
| 7440-39-3 | Barium | 2.0 | | | P |
| 7440-41-7 | Beryllium | 0.03 | B | | P |
| 7440-43-9 | Cadmium | 0.11 | B | | P |
| 7440-70-2 | Calcium | 71.6 | B | | P |
| 7440-47-3 | Chromium | 1.5 | | | P |
| 7440-48-4 | Cobalt | 0.22 | B | | P |
| 7440-50-8 | Copper | 0.15 | U | | P |
| 7439-89-6 | Iron | 756 | | | P |
| 7439-92-1 | Lead | 0.71 | | N* | P |
| 7439-95-4 | Magnesium | 44.2 | B | E | P |
| 7439-96-5 | Manganese | 10.8 | | | P |
| 7439-97-6 | Mercury | 0.018 | U | | CV |
| 7440-02-0 | Nickel | 0.31 | B | | P |
| 7440-09-7 | Potassium | 50.1 | B | | P |
| 7782-49-2 | Selenium | 0.35 | U | | P |
| 7440-22-4 | Silver | 0.09 | B | | P |
| 7440-23-5 | Sodium | 49.9 | B | | P |
| 7440-28-0 | Thallium | 0.54 | U | N | P |
| 7440-62-2 | Vanadium | 1.1 | B | | P |
| 7440-66-6 | Zinc | 3.5 | | | P |

Color Before: GRAY Clarity Before: _____ Texture: COARSE

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB04-4

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLab Sample ID: R2812-13Level (low/med): LOWDate Received: 12/06/02% Solids: 80.8

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 293 | | | P |
| 7440-36-0 | Antimony | 0.45 | B | | P |
| 7440-38-2 | Arsenic | 0.30 | U | | P |
| 7440-39-3 | Barium | 1.7 | | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.05 | U | | P |
| 7440-70-2 | Calcium | 49.9 | B | | P |
| 7440-47-3 | Chromium | 2.7 | | | P |
| 7440-48-4 | Cobalt | 0.09 | B | | P |
| 7440-50-8 | Copper | 0.17 | U | | P |
| 7439-89-6 | Iron | 696 | | | P |
| 7439-92-1 | Lead | 0.72 | | N* | P |
| 7439-95-4 | Magnesium | 41.2 | B | E | P |
| 7439-96-5 | Manganese | 6.5 | | | P |
| 7439-97-6 | Mercury | 0.019 | U | | CV |
| 7440-02-0 | Nickel | 0.31 | B | | P |
| 7440-09-7 | Potassium | 58.6 | B | | P |
| 7782-49-2 | Selenium | 0.39 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 58.3 | B | | P |
| 7440-28-0 | Thallium | 0.61 | U | N | P |
| 7440-62-2 | Vanadium | 1.0 | B | | P |
| 7440-66-6 | Zinc | 2.9 | | | P |

Color Before: GRAY

Clarity Before: _____

Texture: COARSEColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB05-0

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812

Matrix (soil/water): SOIL

Lab Sample ID: R2812-14

Level (low/med): LOW

Date Received: 12/06/02

% Solids: 93.6

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|----|---|----|
| 7429-90-5 | Aluminum | 5350 | | | P |
| 7440-36-0 | Antimony | 0.39 | U | | P |
| 7440-38-2 | Arsenic | 0.67 | B | | P |
| 7440-39-3 | Barium | 10.7 | | | P |
| 7440-41-7 | Beryllium | 0.08 | B | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 174 | | | P |
| 7440-47-3 | Chromium | 6.4 | | | P |
| 7440-48-4 | Cobalt | 0.59 | | | P |
| 7440-50-8 | Copper | 0.41 | B | | P |
| 7439-89-6 | Iron | 5970 | | | P |
| 7439-92-1 | Lead | 4.6 | N* | | P |
| 7439-95-4 | Magnesium | 266 | E | | P |
| 7439-96-5 | Manganese | 22.0 | | | P |
| 7439-97-6 | Mercury | 0.032 | B | | CV |
| 7440-02-0 | Nickel | 1.5 | | | P |
| 7440-09-7 | Potassium | 361 | | | P |
| 7782-49-2 | Selenium | 0.74 | | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 76.0 | B | | P |
| 7440-28-0 | Thallium | 0.53 | U | N | P |
| 7440-62-2 | Vanadium | 13.3 | | | P |
| 7440-66-6 | Zinc | 6.8 | | | P |

Color Before: BROWN

Clarity Before: _____

Texture: COARSE

Color After: YELLOW

Clarity After: _____

Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB05-1

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLab Sample ID: R2812-15Level (low/med): LOWDate Received: 12/06/02% Solids: 93.7

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 204 | | | P |
| 7440-36-0 | Antimony | 0.43 | B | | P |
| 7440-38-2 | Arsenic | 0.25 | U | | P |
| 7440-39-3 | Barium | 1.3 | | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.04 | U | | P |
| 7440-70-2 | Calcium | 31.7 | B | | P |
| 7440-47-3 | Chromium | 2.6 | | | P |
| 7440-48-4 | Cobalt | 0.09 | B | | P |
| 7440-50-8 | Copper | 0.14 | U | | P |
| 7439-89-6 | Iron | 843 | | | P |
| 7439-92-1 | Lead | 0.71 | | N* | P |
| 7439-95-4 | Magnesium | 34.6 | B | E | P |
| 7439-96-5 | Manganese | 5.0 | | | P |
| 7439-97-6 | Mercury | 0.015 | U | | CV |
| 7440-02-0 | Nickel | 0.15 | B | | P |
| 7440-09-7 | Potassium | 43.1 | B | | P |
| 7782-49-2 | Selenium | 0.33 | U | | P |
| 7440-22-4 | Silver | 0.07 | U | | P |
| 7440-23-5 | Sodium | 48.6 | B | | P |
| 7440-28-0 | Thallium | 0.50 | U | N | P |
| 7440-62-2 | Vanadium | 1.3 | B | | P |
| 7440-66-6 | Zinc | 1.7 | B | | P |

Color Before: BROWN

Clarity Before: _____

Texture: COARSEColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-SB05-4

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLab Sample ID: R2812-16Level (low/med): LOWDate Received: 12/06/02% Solids: 80.8

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum | 276 | | | P |
| 7440-36-0 | Antimony | 0.44 | U | | P |
| 7440-38-2 | Arsenic | 0.30 | U | | P |
| 7440-39-3 | Barium | 1.4 | | | P |
| 7440-41-7 | Beryllium | 0.01 | U | | P |
| 7440-43-9 | Cadmium | 0.05 | U | | P |
| 7440-70-2 | Calcium | 48.6 | B | | P |
| 7440-47-3 | Chromium | 1.7 | | | P |
| 7440-48-4 | Cobalt | 0.07 | U | | P |
| 7440-50-8 | Copper | 0.17 | U | | P |
| 7439-89-6 | Iron | 730 | | | P |
| 7439-92-1 | Lead | 0.79 | | N* | P |
| 7439-95-4 | Magnesium | 41.3 | B | E | P |
| 7439-96-5 | Manganese | 4.1 | | | P |
| 7439-97-6 | Mercury | 0.020 | U | | CV |
| 7440-02-0 | Nickel | 0.12 | U | | P |
| 7440-09-7 | Potassium | 55.9 | B | | P |
| 7782-49-2 | Selenium | 0.40 | U | | P |
| 7440-22-4 | Silver | 0.08 | U | | P |
| 7440-23-5 | Sodium | 51.4 | B | | P |
| 7440-28-0 | Thallium | 0.61 | U | N | P |
| 7440-62-2 | Vanadium | 1.4 | B | | P |
| 7440-66-6 | Zinc | 1.3 | B | | P |

Color Before: BROWN

Clarity Before: _____

Texture: COARSEColor After: YELLOW

Clarity After: _____

Artifacts: _____

Comments: _____

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-120402

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-2RA52

Level: (low/med) LOW

Date Received: 12/09/02

% Moisture: not dec. _____

Date Analyzed: 12/13/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5 U | |
| 74-87-3 | Chloromethane | 5 U | |
| 75-01-4 | Vinyl Chloride | 5 U | |
| 74-83-9 | Bromomethane | 5 U | |
| 75-00-3 | Chloroethane | 5 U | |
| 75-69-4 | Trichlorofluoromethane | 5 U | |
| 75-35-4 | 1,1-Dichloroethene | 5 U | |
| 75-15-0 | Carbon disulfide | 5 U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 U | |
| 67-64-1 | Acetone | 13 U | R |
| 75-09-2 | Methylene Chloride | 5 U | |
| 156-60-5 | trans-1,2-Dichloroethene | 5 U | |
| 1634-04-4 | Methyl-tert-butyl ether | 5 U | |
| 75-34-3 | 1,1-Dichloroethane | 5 U | |
| 156-59-2 | cis-1,2-Dichloroethene | 5 U | |
| 78-93-3 | 2-butanone | 13 U | |
| 67-66-3 | Chloroform | 5 U | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 U | |
| 56-23-5 | Carbon Tetrachloride | 5 U | |
| 71-43-2 | Benzene | 5 U | |
| 107-06-2 | 1,2-Dichloroethane | 5 U | |
| 79-01-6 | Trichloroethene | 5 U | |
| 78-87-5 | 1,2-Dichloropropane | 5 U | |
| 75-27-4 | Bromodichloromethane | 5 U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 U | |
| 108-10-1 | 4-Methyl-2-pentanone | 13 U | |
| 108-88-3 | Toluene | 5 U | |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 U | |
| 79-00-5 | 1,1,2-Trichloroethane | 5 U | |
| 127-18-4 | Tetrachloroethene | 5 U | |
| 591-78-6 | 2-hexanone | 13 U | |
| 124-48-1 | Dibromochloromethane | 5 U | |
| 106-93-4 | 1,2-Dibromoethane | 5 U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-120402

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-2RA52

Level: (low/med) LOW

Date Received: 12/09/02

% Moisture: not dec. _____

Date Analyzed: 12/13/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------|----------------------------------|---|---|
| 108-90-7 | -----Chlorobenzene | 5 | U |
| 100-41-4 | -----Ethylbenzene | 5 | U |
| 100-42-5 | -----Styrene | 5 | U |
| 75-25-2 | -----Bromoform | 5 | U |
| 98-82-8 | -----Isopropyl Benzene | 5 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | -----1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | -----1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | -----1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | -----1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | -----1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7 | -----Xylene (total) | 5 | U |
| 79-20-9 | -----Methyl acetate | 5 | U |
| 110-82-7 | -----Cyclohexane | 5 | U |
| 108-87-2 | -----Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ER-SS-120402

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-2RA52

Level: (low/med) LOW

Date Received: 12/09/02

% Moisture: not dec. _____

Date Analyzed: 12/13/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-121002

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-3

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-3A59

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. _____

Date Analyzed: 12/16/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|------------|------------------------------|----|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 2 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 3 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-121002

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-3

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-3A59

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. _____

Date Analyzed: 12/16/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (ul)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ER-SS-121002

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-3

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-3A59

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. _____

Date Analyzed: 12/16/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. _____ | _____ | _____ | _____ | _____ |
| 2. _____ | _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ | _____ |
| 4. _____ | _____ | _____ | _____ | _____ |
| 5. _____ | _____ | _____ | _____ | _____ |
| 6. _____ | _____ | _____ | _____ | _____ |
| 7. _____ | _____ | _____ | _____ | _____ |
| 8. _____ | _____ | _____ | _____ | _____ |
| 9. _____ | _____ | _____ | _____ | _____ |
| 10. _____ | _____ | _____ | _____ | _____ |
| 11. _____ | _____ | _____ | _____ | _____ |
| 12. _____ | _____ | _____ | _____ | _____ |
| 13. _____ | _____ | _____ | _____ | _____ |
| 14. _____ | _____ | _____ | _____ | _____ |
| 15. _____ | _____ | _____ | _____ | _____ |
| 16. _____ | _____ | _____ | _____ | _____ |
| 17. _____ | _____ | _____ | _____ | _____ |
| 18. _____ | _____ | _____ | _____ | _____ |
| 19. _____ | _____ | _____ | _____ | _____ |
| 20. _____ | _____ | _____ | _____ | _____ |
| 21. _____ | _____ | _____ | _____ | _____ |
| 22. _____ | _____ | _____ | _____ | _____ |
| 23. _____ | _____ | _____ | _____ | _____ |
| 24. _____ | _____ | _____ | _____ | _____ |
| 25. _____ | _____ | _____ | _____ | _____ |
| 26. _____ | _____ | _____ | _____ | _____ |
| 27. _____ | _____ | _____ | _____ | _____ |
| 28. _____ | _____ | _____ | _____ | _____ |
| 29. _____ | _____ | _____ | _____ | _____ |
| 30. _____ | _____ | _____ | _____ | _____ |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S28212-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-1RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. _____

Date Analyzed: 12/22/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 5 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

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FORM I VOA

41.63

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S28212-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-1RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. _____

Date Analyzed: 12/22/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------|----------------------------------|---|---|
| 108-90-7 | -----Chlorobenzene | 5 | U |
| 100-41-4 | -----Ethylbenzene | 5 | U |
| 100-42-5 | -----Styrene | 5 | U |
| 75-25-2 | -----Bromoform | 5 | U |
| 98-82-8 | -----Isopropyl Benzene | 5 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | -----1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | -----1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | -----1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | -----1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | -----1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7 | -----Xylene (total) | 5 | U |
| 79-20-9 | -----Methyl acetate | 5 | U |
| 110-82-7 | -----Cyclohexane | 5 | U |
| 108-87-2 | -----Methylcyclohexane | 5 | U |

uL
↓

4/1/03

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIPBLANK

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S28212-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-1RA59

Level: (low/med) LOW

Date Received: 12/04/02

% Moisture: not dec. _____

Date Analyzed: 12/22/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 14.91 | 6.45 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
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| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK2

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-4

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-4A59

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. _____

Date Analyzed: 12/16/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|------------|------------------------------|----|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 2 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 4 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK2

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2812

Matrix: (soil/water) WATER Lab Sample ID: S2812-4

Sample wt/vol: 5 (g/ml) ML Lab File ID: S2812-4A59

Level: (low/med) LOW Date Received: 12/11/02

% Moisture: not dec. Date Analyzed: 12/16/02

GC Column: ZB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (ul)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|----------------|-----------------------------|--|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U | |
| 100-41-4----- | Ethylbenzene | 5 | U | |
| 100-42-5----- | Styrene | 5 | U | |
| 75-25-2----- | Bromoform | 5 | U | |
| 98-82-8----- | Isopropyl Benzene | 5 | U | |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U | |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U | |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U | |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U | |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U | |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U | |
| 1330-20-7----- | Xylene (total) | 5 | U | |
| 79-20-9----- | Methyl acetate | 5 | U | |
| 110-82-7----- | Cyclohexane | 5 | U | |
| 108-87-2----- | Methylcyclohexane | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIPBLANK2

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-4

Sample wt/vol: 5 (g/ml) ML

Lab File ID: S2812-4A59

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: not dec. _____

Date Analyzed: 12/16/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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| 14. | | | | |
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| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
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| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-120402

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2812-2B64

Level: (low/med) LOW

Date Received: 12/09/02

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/09/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------|------------------------------|----|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 20 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 20 | U |
| 83-32-9 | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-120402

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2812-2B64

Level: (low/med) LOW

Date Received: 12/09/02

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/09/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ER-SS-120402

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2812-2B64

Level: (low/med) LOW

Date Received: 12/09/02

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/09/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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| 13. | | | | |
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| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-121002

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBERTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2812-3A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/12/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 2 | J |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-121002

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2812-3A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/12/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 2 | J |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ER-SS-121002

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2812-3A64

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/12/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

hdy

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | UNKNOWN | 21.10 | 6 J | 5 |
| 2. | UNKNOWN | 23.70 | 7 J | |
| 3. | UNKNOWN | 24.07 | 8 J | |
| 4. | UNKNOWN | 24.12 | 9 J | |
| 5. | UNKNOWN | 24.92 | 7 J | |
| 6. | | | | |
| 7. | | | | |
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| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ER-SS-120402

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 12/09/02

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/09/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/11/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ER-SS-121002

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Matrix: (soil/water) WATER

Lab Sample ID: S2812-3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 12/11/02

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/13/02

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/14/02

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

FORM I PEST

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ER-SS-120402

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: S2812

Matrix (soil/water): WATER Lab Sample ID: S2812-2

Level (low/med): LOW Date Received: 12/9/02

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 21.8 | U | | P |
| 7440-36-0 | Antimony | 4.6 | B | | P |
| 7440-38-2 | Arsenic | 2.5 | U | | P |
| 7440-39-3 | Barium | 0.60 | B | | P |
| 7440-41-7 | Beryllium | 0.10 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 50.6 | B | | P |
| 7440-47-3 | Chromium | 1.2 | B | | P |
| 7440-48-4 | Cobalt | 0.60 | U | | P |
| 7440-50-8 | Copper | 1.4 | U | | P |
| 7439-89-6 | Iron | 17.8 | B | | P |
| 7439-92-1 | Lead | 2.3 | U | | P |
| 7439-95-4 | Magnesium | 66.0 | B | | P |
| 7439-96-5 | Manganese | 0.37 | B | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 118 | U | | P |
| 7782-49-2 | Selenium | 3.3 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 249 | U | | P |
| 7440-28-0 | Thallium | 5.1 | U | | P |
| 7440-62-2 | Vanadium | 0.70 | U | | P |
| 7440-66-6 | Zinc | 10.8 | B | | P |

UL

3/26/9

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ER-SS-121002

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: S2812
 Matrix (soil/water): WATER Lab Sample ID: S2812-3
 Level (low/med): LOW Date Received: 12/11/02
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 21.8 | U | | P |
| 7440-36-0 | Antimony | 5.0 | B | | P |
| 7440-38-2 | Arsenic | 2.5 | U | | P |
| 7440-39-3 | Barium | 0.43 | B | | P |
| 7440-41-7 | Beryllium | 0.10 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 19.0 | B | | P |
| 7440-47-3 | Chromium | 0.95 | B | | P |
| 7440-48-4 | Cobalt | 0.60 | U | | P |
| 7440-50-8 | Copper | 1.4 | U | | P |
| 7439-89-6 | Iron | 13.7 | U | | P |
| 7439-92-1 | Lead | 2.3 | U | | P |
| 7439-95-4 | Magnesium | 62.3 | B | | P |
| 7439-96-5 | Manganese | 0.24 | B | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 118 | U | | P |
| 7782-49-2 | Selenium | 3.3 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 249 | U | | P |
| 7440-28-0 | Thallium | 5.1 | U | | P |
| 7440-62-2 | Vanadium | 0.70 | U | | P |
| 7440-66-6 | Zinc | 4.7 | B | | P |

UL

3/26/03
2

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
 Comments: _____

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-010803

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-9

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-9RA52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|----|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 0.3 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-010803

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-9

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-9RA52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|-----------|-----------------------------|--|---|---|
| 108-90-7 | Chlorobenzene | 5 | U | |
| 100-41-4 | Ethylbenzene | 5 | U | |
| 100-42-5 | Styrene | 5 | U | |
| 75-25-2 | Bromoform | 5 | U | |
| 98-82-8 | Isopropyl Benzene | 5 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U | |
| 1330-20-7 | Xylene (total) | 5 | U | |
| 79-20-9 | Methyl acetate | 5 | U | |
| 110-82-7 | Cyclohexane | 5 | U | |
| 108-87-2 | Methylcyclohexane | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-010903

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-14

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-14A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.3 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

R

3/2/03
7

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-010903

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-14

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-14A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW01

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-1RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.5 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

R

3/27/03

B

3/27/03
2

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW01

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-1RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|-----------|-----------------------------|--|---|---|
| 108-90-7 | Chlorobenzene | 5 | U | |
| 100-41-4 | Ethylbenzene | 5 | U | |
| 100-42-5 | Styrene | 5 | U | |
| 75-25-2 | Bromoform | 5 | U | |
| 98-82-8 | Isopropyl Benzene | 5 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U | |
| 1330-20-7 | Xylene (total) | 5 | U | |
| 79-20-9 | Methyl acetate | 5 | U | |
| 110-82-7 | Cyclohexane | 5 | U | |
| 108-87-2 | Methylcyclohexane | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW02

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-2RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.4 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

R

B

3/27/03

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW02

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-2RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW02-D

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-3

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-3RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.5 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

R

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3/27/03

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW02-D

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBERTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-3

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-3RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW03

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-16

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-16B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 1 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

R

B

3/2 x 1/3
2

FORM 1 VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW03

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-16

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-16B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------|----------------------------------|---|---|
| 108-90-7 | -----Chlorobenzene | 5 | U |
| 100-41-4 | -----Ethylbenzene | 5 | U |
| 100-42-5 | -----Styrene | 5 | U |
| 75-25-2 | -----Bromoform | 5 | U |
| 98-82-8 | -----Isopropyl Benzene | 5 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | -----1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | -----1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | -----1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | -----1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | -----1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7 | -----Xylene (total) | 5 | U |
| 79-20-9 | -----Methyl acetate | 5 | U |
| 110-82-7 | -----Cyclohexane | 5 | U |
| 108-87-2 | -----Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW05

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-12

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-12A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 0.9 | J |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.3 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 0.3 | J |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW05

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-12

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-12A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|----------------|----------------------------------|--|---|---|
| 108-90-7----- | Chlorobenzene_____ | 5 | U | |
| 100-41-4----- | Ethylbenzene_____ | 5 | U | |
| 100-42-5----- | Styrene_____ | 5 | U | |
| 75-25-2----- | Bromoform_____ | 5 | U | |
| 98-82-8----- | Isopropyl Benzene_____ | 5 | U | |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane_____ | 5 | U | |
| 541-73-1----- | 1,3-Dichlorobenzene_____ | 5 | U | |
| 106-46-7----- | 1,4-Dichlorobenzene_____ | 5 | U | |
| 95-50-1----- | 1,2-Dichlorobenzene_____ | 5 | U | |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane_____ | 5 | U | |
| 120-82-1----- | 1,2,4-Trichlorobenzene_____ | 5 | U | |
| 1330-20-7----- | Xylene (total)_____ | 5 | U | |
| 79-20-9----- | Methyl acetate_____ | 5 | U | |
| 110-82-7----- | Cyclohexane_____ | 5 | U | |
| 108-87-2----- | Methylcyclohexane_____ | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW06

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-13

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-13A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|------------|------------------------------|--|----|---------|
| 75-71-8 | Dichlorodifluoromethane | 5 | U | |
| 74-87-3 | Chloromethane | 5 | U | |
| 75-01-4 | Vinyl Chloride | 5 | U | |
| 74-83-9 | Bromomethane | 5 | U | |
| 75-00-3 | Chloroethane | 5 | U | |
| 75-69-4 | Trichlorofluoromethane | 5 | U | |
| 75-35-4 | 1,1-Dichloroethene | 5 | U | |
| 75-15-0 | Carbon disulfide | 5 | U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U | |
| 67-64-1 | Acetone | 13 | U | R |
| 75-09-2 | Methylene Chloride | 5 | U | |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U | |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U | |
| 75-34-3 | 1,1-Dichloroethane | 5 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U | |
| 78-93-3 | 2-butanone | 13 | U | |
| 67-66-3 | Chloroform | 5 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U | |
| 56-23-5 | Carbon Tetrachloride | 5 | U | |
| 71-43-2 | Benzene | 5 | U | |
| 107-06-2 | 1,2-Dichloroethane | 5 | U | |
| 79-01-6 | Trichloroethene | 5 | U | |
| 78-87-5 | 1,2-Dichloropropane | 5 | U | |
| 75-27-4 | Bromodichloromethane | 5 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U | |
| 108-88-3 | Toluene | 0.3 | JB | B |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U | 3/27/03 |
| 127-18-4 | Tetrachloroethene | 5 | U | |
| 591-78-6 | 2-hexanone | 13 | U | |
| 124-48-1 | Dibromochloromethane | 5 | U | |
| 106-93-4 | 1,2-Dibromoethane | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW06

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-13

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-13A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------|-----------------------------|---|---|
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 98-82-8 | Isopropyl Benzene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |
| 79-20-9 | Methyl acetate | 5 | U |
| 110-82-7 | Cyclohexane | 5 | U |
| 108-87-2 | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW07

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-8RA52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|----|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 0.7 | J |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 3 | J |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 0.2 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 4 | J |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW07

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-8RA52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW08

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-4

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-4RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 0.8 | J |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.4 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 6 | |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

R

B

3/2 + 1/2

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW08

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-4

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-4RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|-----------|-----------------------------|--|---|---|
| 108-90-7 | Chlorobenzene | 5 | U | |
| 100-41-4 | Ethylbenzene | 5 | U | |
| 100-42-5 | Styrene | 5 | U | |
| 75-25-2 | Bromoform | 5 | U | |
| 98-82-8 | Isopropyl Benzene | 5 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U | |
| 1330-20-7 | Xylene (total) | 5 | U | |
| 79-20-9 | Methyl acetate | 5 | U | |
| 110-82-7 | Cyclohexane | 5 | U | |
| 108-87-2 | Methylcyclohexane | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW09

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-11

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-11A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.3 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 0.8 | J |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

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3/27/03

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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW09

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-11

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-11A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW10

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-6

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-6RA52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.4 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW10

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-6

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-6RA52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------|----------------------------------|-----|----|
| 108-90-7 | -----Chlorobenzene | 5 | U |
| 100-41-4 | -----Ethylbenzene | 5 | U |
| 100-42-5 | -----Styrene | 5 | U |
| 75-25-2 | -----Bromoform | 5 | U |
| 98-82-8 | -----Isopropyl Benzene | 5 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | -----1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | -----1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | -----1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | -----1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | -----1,2,4-Trichlorobenzene | 0.2 | JB |
| 1330-20-7 | -----Xylene (total) | 5 | U |
| 79-20-9 | -----Methyl acetate | 5 | U |
| 110-82-7 | -----Cyclohexane | 5 | U |
| 108-87-2 | -----Methylcyclohexane | 5 | U |

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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW11

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-7

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-7A52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|----|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 0.4 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW11

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-7

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-7A52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|-----------|-----------------------------|--|---|---|
| 108-90-7 | Chlorobenzene | 5 | U | |
| 100-41-4 | Ethylbenzene | 5 | U | |
| 100-42-5 | Styrene | 5 | U | |
| 75-25-2 | Bromoform | 5 | U | |
| 98-82-8 | Isopropyl Benzene | 5 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U | |
| 1330-20-7 | Xylene (total) | 5 | U | |
| 79-20-9 | Methyl acetate | 5 | U | |
| 110-82-7 | Cyclohexane | 5 | U | |
| 108-87-2 | Methylcyclohexane | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK 1-7

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-5

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-5R2A52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|------------|------------------------------|-----|----|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 0.3 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 0.6 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK 1-7

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-5

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-5R2A52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|-----------|-----------------------------|--|----|---|
| 108-90-7 | Chlorobenzene | 5 | U | |
| 100-41-4 | Ethylbenzene | 5 | U | |
| 100-42-5 | Styrene | 5 | U | |
| 75-25-2 | Bromoform | 5 | U | |
| 98-82-8 | Isopropyl Benzene | 5 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.9 | JB | |
| 1330-20-7 | Xylene (total) | 5 | U | |
| 79-20-9 | Methyl acetate | 5 | U | |
| 110-82-7 | Cyclohexane | 5 | U | |
| 108-87-2 | Methylcyclohexane | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK 1-8

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-10

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-10A52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 0.4 | J |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.6 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK 1-8

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-10

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-10A52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|-----|----|
| 108-90-7----- | Chlorobenzene | 0.2 | JB |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK 1-9

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-15

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-15A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|------------|------------------------------|--|----|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U | |
| 74-87-3 | Chloromethane | 5 | U | |
| 75-01-4 | Vinyl Chloride | 5 | U | |
| 74-83-9 | Bromomethane | 5 | U | |
| 75-00-3 | Chloroethane | 5 | U | |
| 75-69-4 | Trichlorofluoromethane | 5 | U | |
| 75-35-4 | 1,1-Dichloroethene | 5 | U | |
| 75-15-0 | Carbon disulfide | 5 | U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U | |
| 67-64-1 | Acetone | 13 | U | |
| 75-09-2 | Methylene Chloride | 0.4 | J | |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U | |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U | |
| 75-34-3 | 1,1-Dichloroethane | 5 | U | |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U | |
| 78-93-3 | 2-butanone | 13 | U | |
| 67-66-3 | Chloroform | 5 | U | |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U | |
| 56-23-5 | Carbon Tetrachloride | 5 | U | |
| 71-43-2 | Benzene | 5 | U | |
| 107-06-2 | 1,2-Dichloroethane | 5 | U | |
| 79-01-6 | Trichloroethene | 5 | U | |
| 78-87-5 | 1,2-Dichloropropane | 5 | U | |
| 75-27-4 | Bromodichloromethane | 5 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U | |
| 108-88-3 | Toluene | 0.5 | JB | |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U | |
| 127-18-4 | Tetrachloroethene | 5 | U | |
| 591-78-6 | 2-hexanone | 13 | U | |
| 124-48-1 | Dibromochloromethane | 5 | U | |
| 106-93-4 | 1,2-Dibromoethane | 5 | U | |

FORM 1 VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

TRIPBLANK 1-9

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-15

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-15A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ER-SS-010803

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-9

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-9RA52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|-----------------|---------------|
| 1. | LABORATORY ARTIFACT | 16.22 | 6.50 | JB |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ER-SS-010903

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-14

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-14A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 16.23 | 33.95 | JB |
| 2. | LABORATORY ARTIFACT | 17.42 | 7.40 | JB |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW01

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-1RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 16.23 | 13.83 | JB |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW02

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-2RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 16.23 | 13.12 | JB |
| 2. | LABORATORY ARTIFACT | 17.43 | 14.25 | JB |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW02-D

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-3

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-3RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/2+63

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|-------|------------|----|
| 1. | LABORATORY ARTIFACT | 16.23 | 12.17 | JB |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW03

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-16

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-16B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|----|
| 1. | LABORATORY ARTIFACT | 13.48 | 36.16 | JB |
| 2. | LABORATORY ARTIFACT | 14.87 | 21.82 | JB |
| 3. | LABORATORY ARTIFACT | 16.19 | 6.48 | J |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW05

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-12

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-12A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|-----------------|---------------|
| 1. | LABORATORY ARTIFACT | 16.24 | 7.42 | JB |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW06

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-13

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-13A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|----|
| 1. | LABORATORY ARTIFACT | 16.23 | 8.05 | JB |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW07

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-8RA52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 16.22 | 5.66 | JB |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW08

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-4

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-4RA52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 16.22 | 35.14 | JB |
| 2. | LABORATORY ARTIFACT | 17.40 | 14.42 | JB |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW09

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-11

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-11A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|----|
| 1. | LABORATORY ARTIFACT | 16.22 | 5.60 | JB |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW10

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-6

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-6RA52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|----|
| 1. | LABORATORY ARTIFACT | 16.24 | 20.13 | JB |
| 2. | LABORATORY ARTIFACT | 17.44 | 5.89 | JB |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW11

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-7

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-7A52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|----|
| 1. | LABORATORY ARTIFACT | 16.22 | 35.74 | JB |
| 2. | LABORATORY ARTIFACT | 17.40 | 6.95 | JB |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIPBLANK 1-7

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-5

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-5R2A52

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/24/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 16.24 | 12.15 | JB |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIPBLANK 1-8

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-10

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-10A52

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 16.22 | 12.36 | JB |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIPBLANK 1-9

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-15

Sample wt/vol: 5 (g/ml) ML

Lab File ID: T2812-15A52

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|----|
| 1. | LABORATORY ARTIFACT | 16.23 | 12.43 | JB |
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FORM I VOA-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-010803

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-9

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-9JA64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-010803

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-9

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-9JA64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ER-SS-010903

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-14

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-14A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------|------------------------------|----|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 20 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 20 | U |
| 83-32-9 | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8270C

ER-SS-010903

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-14

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-14A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

R

3/27/03

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW01

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-1A64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/08/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/09/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl)ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy)methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW01

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-1A64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/08/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/09/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

R 3/26/03

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW02

b Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-2JA64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/08/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/09/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------|------------------------------|----|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | Bis(2-chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | Bis(2-chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 20 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 20 | U |
| 83-32-9 | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8270C

GW-MW02

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-2JA64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/08/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/09/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 10 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW02-D

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-3A64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/08/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/09/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW02-D

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-3A64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/08/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/09/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

3/27/03

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW03

b Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2812

Matrix: (soil/water) WATER Lab Sample ID: T2812-16

Sample wt/vol: 1000 (g/mL) ML Lab File ID: T2812-16A64

Level: (low/med) LOW Date Received: 01/15/03

% Moisture: decanted: (Y/N) Date Extracted: 01/17/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/19/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy)methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8270C

GW-MW03

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-16

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-16A64

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/17/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/19/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 10 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 20 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a) anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b) fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k) fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a) pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd) pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h) anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i) perylene | 10 | U |
| | | 10 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW05

ab Name: COMPUCHEM Method: 8270C
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2812
Matrix: (soil/water) WATER Lab Sample ID: T2812-12
Sample wt/vol: 1000 (g/mL) ML Lab File ID: T2812-12A64
Level: (low/med) LOW Date Received: 01/10/03
% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/10/03
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/12/03
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------|------------------------------|----|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 20 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 20 | U |
| 83-32-9 | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8270C

GW-MW05

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-12

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-12A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 10 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 20 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

3/27/03

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW06

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-13

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-13A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW06

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-13

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-13A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW07

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-8

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-8A64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW07

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-8

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-8A64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW08

b Name: COMPUCHEM Method: 8270C
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2812
Matrix: (soil/water) WATER Lab Sample ID: T2812-4
Sample wt/vol: 500 (g/mL) ML Lab File ID: T2812-4RA64
Level: (low/med) LOW Date Received: 01/08/03
% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 01/09/03
Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/10/03
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl)ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy)methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8270C

GW-MW08

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-4

Sample wt/vol: 500 (g/mL) ML

Lab File ID: T2812-4RA64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 10 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 20 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo (a) anthracene | 5 | J |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo (b) fluoranthene | 10 | U |
| 207-08-9----- | Benzo (k) fluoranthene | 10 | U |
| 50-32-8----- | Benzo (a) pyrene | 10 | U |
| 193-39-5----- | Indeno (1,2,3-cd) pyrene | 10 | U |
| 53-70-3----- | Dibenzo (a,h) anthracene | 10 | U |
| 191-24-2----- | Benzo (g,h,i) perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW09

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-11A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------|------------------------------|----|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4 | 1,1'-Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 20 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 20 | U |
| 83-32-9 | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8270C

GW-MW09

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-11A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 10 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 20 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW10

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-6

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-6A64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW10

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-6

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-6A64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 10 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW11

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-7

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-7A64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|---------------|------------------------------|----|---|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 10 | U |
| 92-52-4----- | 1,1'-Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 20 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 20 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW11

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-7

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-7A64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 20 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 20 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 20 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 10 | U |
| 56-55-3----- | Benzo(a) anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b) fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k) fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a) pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd) pyrene | 10 | U |
| 53-70-3----- | Dibenzo(a,h) anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i) perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

ER-SS-010803

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-9

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-9JA64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8270C

ER-SS-010903

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-14

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-14A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW01

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-1A64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/08/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/09/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW02

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-2JA64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/08/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/09/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | UNKNOWN | 13.93 | 25 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
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| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW02-D

ab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-3A64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/08/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/09/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|-------------------|-------|------------|----|
| 1. 10544-50-0 | SULFUR, MOL. (S8) | 13.93 | 32 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
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| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW03

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-16

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-16A64

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/17/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/19/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03 ✓

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|---------------|-------|------------|----|
| 1. 7704-34-9 | SULFUR | 13.87 | 10 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
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| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

J

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW05

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2812

Matrix: (soil/water) WATER Lab Sample ID: T2812-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: T2812-12A64

Level: (low/med) LOW Date Received: 01/10/03

% Moisture: decanted: (Y/N) Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW06

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-13

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-13A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/12/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|-------------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. 10544-50-0 | SULFUR, MOL. (S8) | 13.85 | 5 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

J

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW07

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-8

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-8A64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

2/27/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|---------------|-------|------------|----|
| 1. 7704-34-9 | SULFUR | 13.90 | 12 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

5

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW08

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-4

Sample wt/vol: 500 (g/mL) ML

Lab File ID: T2812-4RA64

Level: (low/med) LOW

Date Received: 01/08/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/12/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | UNKNOWN | 5.98 | 10 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
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| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW09

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-11A64

Level: (low/med) LOW

Date Received: 01/10/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/10/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/12/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW10

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-6

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: T2812-6A64

Level: (low/med) LOW

Date Received: 01/09/03

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/27/03
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|-------------------|-------|------------|----|
| 1. 10544-50-0 | SULFUR, MOL. (S8) | 13.90 | 17 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

J

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW11

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2812

Matrix: (soil/water) WATER Lab Sample ID: T2812-7

Sample wt/vol: 1000 (g/mL) ML Lab File ID: T2812-7A64

Level: (low/med) LOW Date Received: 01/09/03

% Moisture: decanted: (Y/N) Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/10/03

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ER-SS-010803

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-9

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/09/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/09/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/13/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 5.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ER-SS-010903

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-14

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/10/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/10/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/14/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW01

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/08/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/08/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW02

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/08/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/08/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8081A

GW-MW02-D

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/08/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/08/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | |
|----------------------------------|-------|---|
| 309-00-2-----Aldrin | 0.050 | U |
| 319-84-6-----alpha-BHC | 0.050 | U |
| 319-85-7-----beta-BHC | 0.10 | U |
| 319-86-8-----delta-BHC | 0.050 | U |
| 58-89-9-----gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8-----4,4'-DDD | 0.20 | U |
| 72-55-9-----4,4'-DDE | 0.10 | U |
| 50-29-3-----4,4'-DDT | 0.30 | U |
| 60-57-1-----Dieldrin | 0.10 | U |
| 959-98-8-----Endosulfan I | 0.10 | U |
| 33213-65-9-----Endosulfan II | 0.20 | U |
| 1031-07-8-----Endosulfan sulfate | 0.20 | U |
| 72-20-8-----Endrin | 0.20 | U |
| 7421-93-4-----Endrin Aldehyde | 0.20 | U |
| 76-44-8-----Heptachlor | 0.050 | U |
| 1024-57-3-----Heptachlor Epoxide | 0.050 | U |
| 72-43-5-----Methoxychlor | 0.50 | U |
| 8001-35-2-----Toxaphene | 5.0 | U |
| 12674-11-2-----Aroclor-1016 | 0.50 | U |
| 11104-28-2-----Aroclor-1221 | 1.0 | U |
| 11141-16-5-----Aroclor-1232 | 0.50 | U |
| 53469-21-9-----Aroclor-1242 | 0.50 | U |
| 12672-29-6-----Aroclor-1248 | 0.50 | U |
| 11097-69-1-----Aroclor-1254 | 0.50 | U |
| 11096-82-5-----Aroclor-1260 | 0.50 | U |
| 53494-70-5-----Endrin Ketone | 0.50 | U |
| 5103-74-2-----gamma-Chlordane | 0.050 | U |
| 5103-71-9-----alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW03

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-16

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/15/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/17/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/20/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW05

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-12

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/10/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/10/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/14/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW06

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBERTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-13

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/10/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/10/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/14/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW07

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-8

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/09/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/09/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/13/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 5.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW08

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/08/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/08/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/10/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW09

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/10/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/10/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/14/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW10

Lab Name: COMPUCHEM Contract: 8081A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2812

Matrix: (soil/water) WATER Lab Sample ID: T2812-6

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: 01/09/03

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/09/03

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/13/03

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|---------------------|--|---|
| 309-00-2 | Aldrin | 0.050 | U |
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.10 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8 | 4,4'-DDD | 0.20 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.30 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 959-98-8 | Endosulfan I | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.20 | U |
| 1031-07-8 | Endosulfan sulfate | 0.20 | U |
| 72-20-8 | Endrin | 0.20 | U |
| 7421-93-4 | Endrin Aldehyde | 0.20 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 1024-57-3 | Heptachlor Epoxide | 0.050 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 8001-35-2 | Toxaphene | 5.0 | U |
| 12674-11-2 | Aroclor-1016 | 0.50 | U |
| 11104-28-2 | Aroclor-1221 | 1.0 | U |
| 11141-16-5 | Aroclor-1232 | 0.50 | U |
| 53469-21-9 | Aroclor-1242 | 0.50 | U |
| 12672-29-6 | Aroclor-1248 | 0.50 | U |
| 11097-69-1 | Aroclor-1254 | 0.50 | U |
| 11096-82-5 | Aroclor-1260 | 0.50 | U |
| 53494-70-5 | Endrin Ketone | 0.50 | U |
| 5103-74-2 | gamma-Chlordane | 0.050 | U |
| 5103-71-9 | alpha-Chlordane | 0.10 | U |

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-MW11

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: T2812-7

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/09/03

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/09/03

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 01/13/03

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 5.0

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|-----------------|---------------------|-------|---|
| 309-00-2----- | Aldrin | 0.050 | U |
| 319-84-6----- | alpha-BHC | 0.050 | U |
| 319-85-7----- | beta-BHC | 0.10 | U |
| 319-86-8----- | delta-BHC | 0.050 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.050 | U |
| 72-54-8----- | 4,4'-DDD | 0.20 | U |
| 72-55-9----- | 4,4'-DDE | 0.10 | U |
| 50-29-3----- | 4,4'-DDT | 0.30 | U |
| 60-57-1----- | Dieldrin | 0.10 | U |
| 959-98-8----- | Endosulfan I | 0.10 | U |
| 33213-65-9----- | Endosulfan II | 0.20 | U |
| 1031-07-8----- | Endosulfan sulfate | 0.20 | U |
| 72-20-8----- | Endrin | 0.20 | U |
| 7421-93-4----- | Endrin Aldehyde | 0.20 | U |
| 76-44-8----- | Heptachlor | 0.050 | U |
| 1024-57-3----- | Heptachlor Epoxide | 0.050 | U |
| 72-43-5----- | Methoxychlor | 0.50 | U |
| 8001-35-2----- | Toxaphene | 5.0 | U |
| 12674-11-2----- | Aroclor-1016 | 0.50 | U |
| 11104-28-2----- | Aroclor-1221 | 1.0 | U |
| 11141-16-5----- | Aroclor-1232 | 0.50 | U |
| 53469-21-9----- | Aroclor-1242 | 0.50 | U |
| 12672-29-6----- | Aroclor-1248 | 0.50 | U |
| 11097-69-1----- | Aroclor-1254 | 0.50 | U |
| 11096-82-5----- | Aroclor-1260 | 0.50 | U |
| 53494-70-5----- | Endrin Ketone | 0.50 | U |
| 5103-74-2----- | gamma-Chlordane | 0.050 | U |
| 5103-71-9----- | alpha-Chlordane | 0.10 | U |

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ER-SS-010803

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Matrix (soil/water): WATERLab Sample ID: T2812-9Level (low/med): LOWDate Received: 1/9/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 15.6 | B | | P |
| 7440-36-0 | Antimony | 4.4 | B | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 0.57 | B | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 38.8 | B | | P |
| 7440-47-3 | Chromium | 1.0 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 35.1 | B | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 64.4 | B | | P |
| 7439-96-5 | Manganese | 0.22 | B | | P |
| 7439-97-6 | Mercury | 0.11 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 68.4 | U | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 261 | B | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.40 | U | | P |
| 7440-66-6 | Zinc | 3.8 | B | * | P |

ul

4/1/03
2

K

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

9

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ER-SS-010903

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: T2812

Matrix (soil/water): WATER Lab Sample ID: T2812-14

Level (low/med): LOW Date Received: 1/10/03

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 11.8 | U | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 0.49 | B | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 23.3 | B | | P |
| 7440-47-3 | Chromium | 1.0 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 15.9 | B | | P |
| 7439-92-1 | Lead | 1.4 | B | | P |
| 7439-95-4 | Magnesium | 60.8 | B | | P |
| 7439-96-5 | Manganese | 0.20 | U | | P |
| 7439-97-6 | Mercury | 0.10 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 81.1 | B | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 242 | B | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.40 | U | | P |
| 7440-66-6 | Zinc | 2.2 | B | * | P |

UL

K

4/1/03

K

K

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

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SW040 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW01

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812

Matrix (soil/water): WATER

Lab Sample ID: T2812-1

Level (low/med): LOW

Date Received: 1/8/03

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 93.6 | B | | P |
| 7440-36-0 | Antimony | 5.1 | B | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 5.2 | B | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 13000 | | | P |
| 7440-47-3 | Chromium | 1.8 | B | | P |
| 7440-48-4 | Cobalt | 0.59 | B | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 650 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1280 | | | P |
| 7439-96-5 | Manganese | 19.6 | | | P |
| 7439-97-6 | Mercury | 0.11 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 1130 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 4140 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.2 | B | | P |
| 7440-66-6 | Zinc | 309 | * | | P |

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW02

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: T2812
 Matrix (soil/water): WATER Lab Sample ID: T2812-2
 Level (low/med): LOW Date Received: 1/8/03
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 260 | | | P |
| 7440-36-0 | Antimony | 6.4 | B | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 13.0 | | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 20900 | | | P |
| 7440-47-3 | Chromium | 2.2 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 192 | | | P |
| 7439-92-1 | Lead | 1.8 | B | | P |
| 7439-95-4 | Magnesium | 2720 | | | P |
| 7439-96-5 | Manganese | 14.4 | | | P |
| 7439-97-6 | Mercury | 0.12 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 2380 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 4970 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 2.0 | B | | P |
| 7440-66-6 | Zinc | 58.8 | | * | P |

B

B

UL

B

B

J 4/1/03

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____
 Color After: COLORLESS Clarity After: CLOUDY Artifacts: _____
 Comments: _____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW02-D

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Matrix (soil/water): WATERLab Sample ID: T2812-3Level (low/med): LOWDate Received: 1/8/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 890 | | | P |
| 7440-36-0 | Antimony | 4.5 | B | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 15.7 | | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 1.1 | B | | P |
| 7440-70-2 | Calcium | 20600 | | | P |
| 7440-47-3 | Chromium | 6.0 | | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.9 | B | | P |
| 7439-89-6 | Iron | 972 | | | P |
| 7439-92-1 | Lead | 4.0 | | | P |
| 7439-95-4 | Magnesium | 2700 | | | P |
| 7439-96-5 | Manganese | 17.2 | | | P |
| 7439-97-6 | Mercury | 0.12 | B | | CV |
| 7440-02-0 | Nickel | 2.5 | B | | P |
| 7440-09-7 | Potassium | 2380 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 4930 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 4.2 | B | | P |
| 7440-66-6 | Zinc | 173 | * | | P |

Color Before: COLORLESSClarity Before: CLOUDY

Texture: _____

Color After: COLORLESSClarity After: CLOUDY

Artifacts: _____

Comments: _____

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SW846 METALS

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW03

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Matrix (soil/water): WATERLab Sample ID: T2812-16Level (low/med): LOWDate Received: 1/15/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 227 | | | P |
| 7440-36-0 | Antimony | 3.1 | B | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 9.3 | B | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 10200 | | | P |
| 7440-47-3 | Chromium | 1.9 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 292 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1130 | | | P |
| 7439-96-5 | Manganese | 36.2 | | | P |
| 7439-97-6 | Mercury | 0.11 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 1110 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 3620 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.9 | B | | P |
| 7440-66-6 | Zinc | 76.6 | | * | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

14

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW05

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Matrix (soil/water): WATERLab Sample ID: T2812-12Level (low/med): LOWDate Received: 1/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 56.5 | B | | P |
| 7440-36-0 | Antimony | 2.5 | B | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 7.8 | B | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 11100 | | | P |
| 7440-47-3 | Chromium | 1.3 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 802 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1620 | | | P |
| 7439-96-5 | Manganese | 20.0 | | | P |
| 7439-97-6 | Mercury | 0.10 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 1040 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 4870 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.88 | B | | P |
| 7440-66-6 | Zinc | 134 | | * | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW06

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Matrix (soil/water): WATERLab Sample ID: T2812-13Level (low/med): LOWDate Received: 1/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 112 | | | P |
| 7440-36-0 | Antimony | 3.0 | B | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 18.4 | | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.41 | B | | P |
| 7440-70-2 | Calcium | 7970 | | | P |
| 7440-47-3 | Chromium | 1.0 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 884 | | | P |
| 7439-92-1 | Lead | 1.8 | B | | P |
| 7439-95-4 | Magnesium | 2090 | | | P |
| 7439-96-5 | Manganese | 10.6 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 1480 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 11700 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.65 | B | | P |
| 7440-66-6 | Zinc | 86.7 | | * | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

16

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW07

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Matrix (soil/water): WATERLab Sample ID: T2812-8Level (low/med): LOWDate Received: 1/9/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 212 | | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 12.8 | | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 10100 | | | P |
| 7440-47-3 | Chromium | 2.1 | B | | P |
| 7440-48-4 | Cobalt | 0.53 | B | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 1390 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1210 | | | P |
| 7439-96-5 | Manganese | 17.2 | | | P |
| 7439-97-6 | Mercury | 0.13 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 2170 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 3160 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.1 | B | | P |
| 7440-66-6 | Zinc | 177 | * | | P |

Color Before: COLORLESSClarity Before: CLOUDY

Texture: _____

Color After: COLORLESSClarity After: CLOUDY

Artifacts: _____

Comments: _____

17

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW08

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Matrix (soil/water): WATERLab Sample ID: T2812-4Level (low/med): LOWDate Received: 1/8/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 778 | | | P |
| 7440-36-0 | Antimony | 4.0 | B | | P |
| 7440-38-2 | Arsenic | 6.0 | B | | P |
| 7440-39-3 | Barium | 8.8 | B | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 11200 | | | P |
| 7440-47-3 | Chromium | 2.8 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 4.2 | B | | P |
| 7439-89-6 | Iron | 1020 | | | P |
| 7439-92-1 | Lead | 1.2 | B | | P |
| 7439-95-4 | Magnesium | 1260 | | | P |
| 7439-96-5 | Manganese | 52.0 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 1580 | | | P |
| 7782-49-2 | Selenium | 2.6 | B | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 7150 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 6.3 | B | | P |
| 7440-66-6 | Zinc | 11.7 | B | * | P |

Color Before: COLORLESSClarity Before: CLOUDY

Texture: _____

Color After: COLORLESSClarity After: CLOUDY

Artifacts: _____

Comments: _____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW09

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Matrix (soil/water): WATERLab Sample ID: T2812-11Level (low/med): LOWDate Received: 1/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 284 | | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 30.8 | | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.71 | B | | P |
| 7440-70-2 | Calcium | 12600 | | | P |
| 7440-47-3 | Chromium | 2.2 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 1120 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1460 | | | P |
| 7439-96-5 | Manganese | 26.7 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 2040 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 7740 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.40 | U | | P |
| 7440-66-6 | Zinc | 100 | * | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW10

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Matrix (soil/water): WATERLab Sample ID: T2812-6Level (low/med): LOWDate Received: 1/9/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 953 | | | P |
| 7440-36-0 | Antimony | 2.8 | B | | P |
| 7440-38-2 | Arsenic | 4.9 | B | | P |
| 7440-39-3 | Barium | 10.8 | | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 26700 | | | P |
| 7440-47-3 | Chromium | 4.4 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 3240 | | | P |
| 7439-92-1 | Lead | 1.3 | B | | P |
| 7439-95-4 | Magnesium | 3160 | | | P |
| 7439-96-5 | Manganese | 122 | | | P |
| 7439-97-6 | Mercury | 0.12 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 4920 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 4840 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 4.6 | B | | P |
| 7440-66-6 | Zinc | 12.0 | B | * | P |

Color Before: COLORLESSClarity Before: CLOUDY

Texture: _____

Color After: COLORLESSClarity After: CLOUDY

Artifacts: _____

Comments: _____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW11

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812

Matrix (soil/water): WATER

Lab Sample ID: T2812-7

Level (low/med): LOW

Date Received: 1/9/03

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 168 | | | P |
| 7440-36-0 | Antimony | 4.6 | B | | P |
| 7440-38-2 | Arsenic | 4.8 | B | | P |
| 7440-39-3 | Barium | 13.1 | | E | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 24000 | | | P |
| 7440-47-3 | Chromium | 2.2 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 5130 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 2970 | | | P |
| 7439-96-5 | Manganese | 165 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 2270 | | | P |
| 7782-49-2 | Selenium | 3.5 | B | | P |
| 7440-22-4 | Silver | 0.70 | U | | P |
| 7440-23-5 | Sodium | 4010 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 2.3 | B | | P |
| 7440-66-6 | Zinc | 6.8 | B | * | P |

B
K

B

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K

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r

B

Color Before: COLORLESS

Clarity Before: CLOUDY

Texture: _____

Color After: COLORLESS

Clarity After: CLOUDY

Artifacts: _____

Comments: _____

21

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ER-SS-010803

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-8Level (low/med): LOWDate Received: 1/9/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 11.8 | U | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 0.56 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 59.2 | B | | P |
| 7440-47-3 | Chromium | 1.1 | B | | P |
| 7440-48-4 | Cobalt | 0.86 | B | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 37.1 | B | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 64.9 | B | | P |
| 7439-96-5 | Manganese | 1.1 | B | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 131 | B | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 99.3 | U | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.40 | U | | P |
| 7440-66-6 | Zinc | 4.8 | B | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

9

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ER-SS-010903

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-12Level (low/med): LOWDate Received: 1/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 11.8 | U | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 0.28 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 7.9 | U | | P |
| 7440-47-3 | Chromium | 0.60 | U | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 8.7 | U | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 64.1 | B | | P |
| 7439-96-5 | Manganese | 0.20 | U | | P |
| 7439-97-6 | Mercury | 0.10 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 122 | B | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 99.3 | U | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.43 | B | | P |
| 7440-66-6 | Zinc | 1.0 | U | | P |

UL

4/1/03
2

K

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

10

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW01

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-1Level (low/med): LOWDate Received: 1/8/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 37.9 | B | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 4.9 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 13600 | | | P |
| 7440-47-3 | Chromium | 0.60 | U | | P |
| 7440-48-4 | Cobalt | 0.53 | B | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 484 | | | P |
| 7439-92-1 | Lead | 1.3 | B | | P |
| 7439-95-4 | Magnesium | 1330 | | | P |
| 7439-96-5 | Manganese | 18.9 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 1340 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 4010 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.1 | B | | P |
| 7440-66-6 | Zinc | 299 | | | P |

B
UL

K

4/1/9
2

K

UL

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

11

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW02

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-2Level (low/med): LOWDate Received: 1/8/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 86.2 | B | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 11.5 | | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 20700 | | | P |
| 7440-47-3 | Chromium | 0.81 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 81.6 | B | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 2710 | | | P |
| 7439-96-5 | Manganese | 13.8 | | | P |
| 7439-97-6 | Mercury | 0.11 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 2630 | | | P |
| 7782-49-2 | Selenium | 10.3 | | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 4860 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.3 | B | | P |
| 7440-66-6 | Zinc | 25.9 | | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW02-D

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-3Level (low/med): LOWDate Received: 1/8/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 57.3 | B | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 11.4 | | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 20800 | | | P |
| 7440-47-3 | Chromium | 0.60 | U | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 61.1 | B | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 2720 | | | P |
| 7439-96-5 | Manganese | 13.5 | | | P |
| 7439-97-6 | Mercury | 0.10 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 2620 | | | P |
| 7782-49-2 | Selenium | 10.2 | | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 4720 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.5 | B | | P |
| 7440-66-6 | Zinc | 27.0 | | | P |

UL
B

B

4/1/03

UL

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

13

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW03

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-13Level (low/med): LOWDate Received: 1/15/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 207 | | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 8.8 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 10400 | | | P |
| 7440-47-3 | Chromium | 1.2 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 2.1 | B | | P |
| 7439-89-6 | Iron | 247 | | | P |
| 7439-92-1 | Lead | 1.4 | B | | P |
| 7439-95-4 | Magnesium | 1150 | | | P |
| 7439-96-5 | Manganese | 37.2 | | | P |
| 7439-97-6 | Mercury | 0.13 | B | | CV |
| 7440-02-0 | Nickel | 1.5 | B | | P |
| 7440-09-7 | Potassium | 1250 | | | P |
| 7782-49-2 | Selenium | 3.1 | B | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 3560 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.7 | B | | P |
| 7440-66-6 | Zinc | 79.7 | | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW05

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-10Level (low/med): LOWDate Received: 1/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 39.1 | B | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 5.4 | B | | P |
| 7440-39-3 | Barium | 7.7 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 11400 | | | P |
| 7440-47-3 | Chromium | 0.60 | U | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 885 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1700 | | | P |
| 7439-96-5 | Manganese | 21.7 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 1200 | | | P |
| 7782-49-2 | Selenium | 3.7 | B | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 4740 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.79 | B | | P |
| 7440-66-6 | Zinc | 133 | | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

15

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW06

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-11Level (low/med): LOWDate Received: 1/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 60.7 | B | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 17.9 | | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 8190 | | | P |
| 7440-47-3 | Chromium | 0.60 | U | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 419 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 2160 | | | P |
| 7439-96-5 | Manganese | 9.7 | B | | P |
| 7439-97-6 | Mercury | 0.11 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 1670 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 11900 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.48 | B | | P |
| 7440-66-6 | Zinc | 88.2 | | | P |

UL

B

B

K

UL

4.13
2Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

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SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW07

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-7Level (low/med): LOWDate Received: 1/9/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 73.3 | B | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 12.2 | | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 10400 | | | P |
| 7440-47-3 | Chromium | 0.60 | U | | P |
| 7440-48-4 | Cobalt | 0.65 | B | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 1170 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1260 | | | P |
| 7439-96-5 | Manganese | 16.9 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 2410 | | | P |
| 7782-49-2 | Selenium | 3.6 | B | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 2930 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 1.0 | B | | P |
| 7440-66-6 | Zinc | 158 | | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

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SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW08

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-4Level (low/med): LOWDate Received: 1/8/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 63.6 | B | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 5.2 | B | | P |
| 7440-39-3 | Barium | 6.7 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 10900 | | | P |
| 7440-47-3 | Chromium | 0.85 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 355 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1190 | | | P |
| 7439-96-5 | Manganese | 48.5 | | | P |
| 7439-97-6 | Mercury | 0.12 | B | | CV |
| 7440-02-0 | Nickel | 2.2 | B | | P |
| 7440-09-7 | Potassium | 1730 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 7400 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 4.8 | B | | P |
| 7440-66-6 | Zinc | 3.6 | B | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

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SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW09

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-9Level (low/med): LOWDate Received: 1/10/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 98.5 | B | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 28.2 | | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.98 | B | | P |
| 7440-70-2 | Calcium | 12800 | | | P |
| 7440-47-3 | Chromium | 0.60 | U | | P |
| 7440-48-4 | Cobalt | 1.1 | B | | P |
| 7440-50-8 | Copper | 2.1 | B | | P |
| 7439-89-6 | Iron | 1010 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 1530 | | | P |
| 7439-96-5 | Manganese | 28.0 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.9 | B | | P |
| 7440-09-7 | Potassium | 2320 | | | P |
| 7782-49-2 | Selenium | 2.6 | U | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 8570 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 0.55 | B | | P |
| 7440-66-6 | Zinc | 97.7 | | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW10

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812

Matrix (soil/water): WATER

Lab Sample ID: U2812-5

Level (low/med): LOW

Date Received: 1/9/03

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 124 | | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 8.6 | B | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 27500 | | | P |
| 7440-47-3 | Chromium | 0.78 | B | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 2170 | | | P |
| 7439-92-1 | Lead | 1.1 | U | | P |
| 7439-95-4 | Magnesium | 3260 | | | P |
| 7439-96-5 | Manganese | 123 | | | P |
| 7439-97-6 | Mercury | 0.12 | B | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 5520 | | | P |
| 7782-49-2 | Selenium | 3.8 | B | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 4860 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 2.2 | B | | P |
| 7440-66-6 | Zinc | 4.4 | B | | P |

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW11

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLab Sample ID: U2812-6Level (low/med): LOWDate Received: 1/9/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7429-90-5 | Aluminum | 85.7 | B | | P |
| 7440-36-0 | Antimony | 2.3 | U | | P |
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7440-39-3 | Barium | 13.0 | | | P |
| 7440-41-7 | Beryllium | 0.20 | U | | P |
| 7440-43-9 | Cadmium | 0.40 | U | | P |
| 7440-70-2 | Calcium | 25200 | | | P |
| 7440-47-3 | Chromium | 0.60 | U | | P |
| 7440-48-4 | Cobalt | 0.50 | U | | P |
| 7440-50-8 | Copper | 1.5 | U | | P |
| 7439-89-6 | Iron | 4650 | | | P |
| 7439-92-1 | Lead | 1.2 | B | | P |
| 7439-95-4 | Magnesium | 3100 | | | P |
| 7439-96-5 | Manganese | 167 | | | P |
| 7439-97-6 | Mercury | 0.10 | U | | CV |
| 7440-02-0 | Nickel | 1.0 | U | | P |
| 7440-09-7 | Potassium | 2670 | | | P |
| 7782-49-2 | Selenium | 3.0 | B | | P |
| 7440-22-4 | Silver | 0.70 | U | N | P |
| 7440-23-5 | Sodium | 4100 | | | P |
| 7440-28-0 | Thallium | 4.4 | U | | P |
| 7440-62-2 | Vanadium | 2.0 | B | | P |
| 7440-66-6 | Zinc | 4.9 | B | | P |

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Color Before: YELLOWClarity Before: CLEAR

Texture: _____

Color After: YELLOWClarity After: CLEAR

Artifacts: _____

Comments: DISSOLVED

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-3D

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-1B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | | |
|-----------------|------------------------------|-----|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U | |
| 74-87-3----- | Chloromethane | 5 | U | |
| 75-01-4----- | Vinyl Chloride | 5 | U | |
| 74-83-9----- | Bromomethane | 5 | U | |
| 75-00-3----- | Chloroethane | 5 | U | |
| 75-69-4----- | Trichlorofluoromethane | 5 | U | |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U | |
| 75-15-0----- | Carbon disulfide | 5 | U | |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U | |
| 67-64-1----- | Acetone | 13 | U | R |
| 75-09-2----- | Methylene Chloride | 5 | U | |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U | |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U | |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U | |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U | |
| 78-93-3----- | 2-butanone | 13 | U | |
| 67-66-3----- | Chloroform | 5 | U | |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U | |
| 56-23-5----- | Carbon Tetrachloride | 5 | U | |
| 71-43-2----- | Benzene | 5 | U | |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U | |
| 79-01-6----- | Trichloroethene | 5 | U | |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U | |
| 75-27-4----- | Bromodichloromethane | 5 | U | |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U | |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U | |
| 108-88-3----- | Toluene | 0.9 | JB | B |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U | |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U | |
| 127-18-4----- | Tetrachloroethene | 5 | U | |
| 591-78-6----- | 2-hexanone | 13 | U | |
| 124-48-1----- | Dibromochloromethane | 5 | U | |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-3D

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-1B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.3 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

4/1/03

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-3S

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-12

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-12A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 1 | J |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 0.3 | J |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 1 | J |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 0.6 | J |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 1 | J |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.8 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 0.4 | J |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

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4/1/03
2

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-3S

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-12

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-12A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-14

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-14A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.6 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-4

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-14

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-14A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.3 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-4D

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-15

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-15A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 0.3 | J |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.7 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-4D

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-15

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-15A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.3 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-5D

ab Name: COMPUCHEM Method: 8260B
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2849
Matrix: (soil/water) WATER Lab Sample ID: Q2849-7
Sample wt/vol: 5 (g/ml) ML Lab File ID: Q2849-7B59
Level: (low/med) LOW Date Received: 01/16/03
% Moisture: not dec. Date Analyzed: 01/22/03
GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|----|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 0.3 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 1 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-5D

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-7

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-7B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.3 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

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FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-5S

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-8B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|------------|------------------------------|-----|----|
| 75-71-8 | Dichlorodifluoromethane | 0.3 | J |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 0.2 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 1 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-5S

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-8B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-6

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-2B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 1 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-6

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-2B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.3 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

B

4/16/03

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-7

ab Name: COMPUCHEM Method: 8260B
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2849
Matrix: (soil/water) WATER Lab Sample ID: Q2849-9
Sample wt/vol: 5 (g/ml) ML Lab File ID: Q2849-9B59
Level: (low/med) LOW Date Received: 01/16/03
% Moisture: not dec. Date Analyzed: 01/22/03
GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|----|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 1 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 11 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-7

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-9

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-9B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-6MW-8

Lab Name: COMPUCHEM Method: 8260B
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2849
Matrix: (soil/water) WATER Lab Sample ID: Q2849-13
Sample wt/vol: 5 (g/ml) ML Lab File ID: Q2849-13A59
Level: (low/med) LOW Date Received: 01/21/03
% Moisture: not dec. Date Analyzed: 01/24/03
GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|------------|------------------------------|-----|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 0.3 | J |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 0.5 | J |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 0.7 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

GW-6MW-8

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-13

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-13A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 0.3 | J |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW-115

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-11

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-11A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.7 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

R

B

4/1/03

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW-115

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-11

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-11A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 0.3 | J |
| 95-50-1----- | 1,2-Dichlorobenzene | 0.2 | J |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW-117

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-3

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-3B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 32 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 22 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 1 | J |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 1 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 2 | J |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

GW-MW-117

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-3

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-3B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|-----------|-----------------------------|--|---|---|
| 108-90-7 | Chlorobenzene | 5 | U | |
| 100-41-4 | Ethylbenzene | 29 | | |
| 100-42-5 | Styrene | 5 | U | |
| 75-25-2 | Bromoform | 5 | U | |
| 98-82-8 | Isopropyl Benzene | 12 | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U | |
| 1330-20-7 | Xylene (total) | 130 | | |
| 79-20-9 | Methyl acetate | 5 | U | |
| 110-82-7 | Cyclohexane | 15 | | |
| 108-87-2 | Methylcyclohexane | 26 | | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW-118

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-4

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-4B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|------------|------------------------------|----|----|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 1 | JB |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW-118

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-4

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-4B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|
|---------|----------|--|---|

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW-118D

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-5

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-5B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.8 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

R

B

4/1/03
R

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

GW-MW-118D

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-5

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-5B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK1-14

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-6

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-6B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 1 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

TRIPBLANK1-14

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-6

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-6B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------|-----------------------------|---|---|
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 98-82-8 | Isopropyl Benzene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |
| 79-20-9 | Methyl acetate | 5 | U |
| 110-82-7 | Cyclohexane | 5 | U |
| 108-87-2 | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK1-15

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-10

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-10B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

| | | | |
|-----------------|------------------------------|-----|----|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.9 | JB |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK1-15

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-10

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-10B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------|-----------------------------|-----|---|
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 98-82-8 | Isopropyl Benzene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 0.3 | J |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |
| 79-20-9 | Methyl acetate | 5 | U |
| 110-82-7 | Cyclohexane | 5 | U |
| 108-87-2 | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-6MW-3D

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-1B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

41.63
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 13.48 | 27.30 | JB |
| 2. | LABORATORY ARTIFACT | 14.86 | 14.32 | JB |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-6MW-3S

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-12

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-12A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

41.63

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 13.47 | 20.80 | J |
| 2. | LABORATORY ARTIFACT | 14.86 | 30.17 | JB |
| 3. | LABORATORY ARTIFACT | 16.17 | 23.16 | J |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-6MW-4

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-14

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-14A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/02

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|-----------------|---------------|
| 1. | LABORATORY ARTIFACT | 14.85 | 6.56 | JB |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-6MW-4D

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-15

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-15A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 14.85 | 10.93 | JB |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-6MW-5D

b Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-7

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-7B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/16/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 13.48 | 21.62 | JB |
| 2. | LABORATORY ARTIFACT | 14.86 | 10.09 | JB |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-6MW-5S

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-8B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 13.48 | 24.57 | JB |
| 2. | LABORATORY ARTIFACT | 14.86 | 13.42 | JB |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-6MW-6

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-2B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 13.48 | 41.38 | JB |
| 2. | LABORATORY ARTIFACT | 14.87 | 21.27 | JB |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-6MW-7

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-9

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-9B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 13.47 | 30.77 | JB |
| 2. | LABORATORY ARTIFACT | 14.86 | 9.70 | JB |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-6MW-8

ab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-13

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-13A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 14.86 | 11.28 | JB |
| 2. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW-115

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-11

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-11A59

Level: (low/med) LOW

Date Received: 01/21/03

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03 ✓

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------------------|---|------------------|------------------|---------------|
| ===== | ===== | ===== | ===== | ===== |
| 1. 556-67-2 | CYCLOTETRASILOXANE, OCTAMETH | 13.47 | 22.52 | NJ |
| 2. | LABORATORY ARTIFACT | 14.85 | 14.50 | JB |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW-117

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2849

Matrix: (soil/water) WATER Lab Sample ID: Q2849-3

Sample wt/vol: 5 (g/ml) ML Lab File ID: Q2849-3B59

Level: (low/med) LOW Date Received: 01/15/03

% Moisture: not dec. Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/02

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------------------|---|------------------|------------------|---------------|
| 1. 556-67-2 | CYCLOTETRASILOXANE, OCTAMETH | 13.48 | 54.18 | NJ |
| 2. 611-14-3 | BENZENE, 1-ETHYL-2-METHYL- | 13.75 | 142.0 | NJ 5 |
| 3. 526-73-8 | BENZENE, 1,2,3-TRIMETHYL- | 13.82 | 66.72 | NJ |
| 4. 622-96-8 | BENZENE, 1-ETHYL-4-METHYL- | 14.00 | 89.70 | NJ |
| 5. 526-73-8 | BENZENE, 1,2,3-TRIMETHYL- | 14.13 | 238.0 | NJ |
| 6. 526-73-8 | BENZENE, 1,2,3-TRIMETHYL- | 14.45 | 170.4 | NJ |
| 7. | UNKNOWN | 14.62 | 102.8 | J |
| 8. | SUBSTITUTED BENZENE | 14.86 | 67.71 | J |
| 9. 27133-93-3 | 2,3-DIHYDRO-1-METHYLINDENE | 15.61 | 76.16 | NJ |
| 10. 119-64-2 | NAPHTHALENE, 1,2,3,4-TETRAHY | 15.77 | 44.22 | NJ |
| 11. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW-118

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-4

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-4B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03 ✓

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 13.48 | 53.22 | JB |
| 2. | LABORATORY ARTIFACT | 14.86 | 45.74 | JB |
| 3. | LABORATORY ARTIFACT | 16.18 | 21.48 | J |
| 4. 90-12-0 | NAPHTHALENE, 1-METHYL- | 17.46 | 5.41 | NJ |
| 5. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW-MW-118D

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-5

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-5B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 13.47 | 26.44 | JB |
| 2. | LABORATORY ARTIFACT | 14.86 | 9.31 | JB |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIPBLANK1-14

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-6

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-6B59

Level: (low/med) LOW

Date Received: 01/15/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 13.48 | 24.34 | JB |
| 2. | LABORATORY ARTIFACT | 14.86 | 15.17 | JB |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIPBLANK1-15

ab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: Q2849-10

Sample wt/vol: 5 (g/ml) ML

Lab File ID: Q2849-10B59

Level: (low/med) LOW

Date Received: 01/16/03

% Moisture: not dec. _____

Date Analyzed: 01/22/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/3

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|---------------|
| 1. | LABORATORY ARTIFACT | 13.48 | 19.39 | JB |
| 2. | LABORATORY ARTIFACT | 14.87 | 9.88 | JB |
| 3. | | | | |
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FORM I VOA-TIC

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-3D

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2849
Matrix (soil/water): WATER Lab Sample ID: Q2849-1
Level (low/med): LOW Date Received: 1/15/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 32000 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: _____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-3S

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2849
Matrix (soil/water): WATER Lab Sample ID: Q2849-12
Level (low/med): LOW Date Received: 1/21/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 7510 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: _____

10

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-4

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: Q2849

Matrix (soil/water): WATER

Lab Sample ID: Q2849-14

Level (low/med): LOW

Date Received: 1/21/03

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 4600 | | | P |

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-4D

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2849
Matrix (soil/water): WATER Lab Sample ID: Q2849-15
Level (low/med): LOW Date Received: 1/21/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 4460 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: _____

12

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-5D

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2849
Matrix (soil/water): WATER Lab Sample ID: Q2849-7
Level (low/med): LOW Date Received: 1/16/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.9 | B | | P |
| 7439-89-6 | Iron | 26900 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: _____

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-5S

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2849
Matrix (soil/water): WATER Lab Sample ID: Q2849-8
Level (low/med): LOW Date Received: 1/16/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 95.0 | B | | P |

4/16/03

B

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-6

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2849Matrix (soil/water): WATERLab Sample ID: Q2849-2Level (low/med): LOWDate Received: 1/15/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 720 | | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-7

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2849Matrix (soil/water): WATERLab Sample ID: Q2849-9Level (low/med): LOWDate Received: 1/16/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 60.0 | B | | P |

B

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

16

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-8

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2849
Matrix (soil/water): WATER Lab Sample ID: Q2849-13
Level (low/med): LOW Date Received: 1/21/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 1040 | | | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

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SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW-115

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2849Matrix (soil/water): WATERLab Sample ID: Q2849-11Level (low/med): LOWDate Received: 1/21/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 7120 | | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

18

SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW-117

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2849
Matrix (soil/water): WATER Lab Sample ID: Q2849-3
Level (low/med): LOW Date Received: 1/15/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 26.8 | | | P |
| 7439-89-6 | Iron | 9240 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: _____

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SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW-118

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2849Matrix (soil/water): WATERLab Sample ID: Q2849-4Level (low/med): LOWDate Received: 1/15/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 2360 | | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

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SW846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW-118D

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2849
Matrix (soil/water): WATER Lab Sample ID: Q2849-5
Level (low/med): LOW Date Received: 1/15/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.7 | U | | P |
| 7439-89-6 | Iron | 2220 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: _____

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SW-846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-3D

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-1
Level (low/med): LOW Date Received: 01/15/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 33300 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: Dissolved 41.63

9

SW-846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-3S

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-10
Level (low/med): LOW Date Received: 01/21/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 8270 | | | P |

~~R~~4/1/03
2

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: Dissolved 4/1/03

10

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-4

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-12
Level (low/med): LOW Date Received: 01/21/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 1820 | | | P |

K

4/1/03

Color Before: YELLOW Clarity Before: CLEAR Texture: _____
Color After: YELLOW Clarity After: CLEAR Artifacts: _____
Comments: Dissolved 4/1/03

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SW-840 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-4D

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-13
Level (low/med): LOW Date Received: 01/21/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 1800 | | | P |

K

4/1/03 ✓

Color Before: YELLOW Clarity Before: CLEAR Texture: _____
Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments: Dissolved 4/1/03

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SW-846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-5D

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-6
Level (low/med): LOW Date Received: 01/16/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 19900 | | | P |

4/1/03
✓

Color Before: YELLOW Clarity Before: CLEAR Texture: _____
Color After: YELLOW Clarity After: CLEAR Artifacts: _____
Comments: Discolored 4/1/03

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SW-846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-5S

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-7
Level (low/med): LOW Date Received: 01/16/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 42.5 | B | | P |

*B

4/1/03

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: Dissolved 4/1/03

14

SW-846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-6

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: R2849Matrix (soil/water): WATERLab Sample ID: R2849-2Level (low/med): LOWDate Received: 01/15/03% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight):

UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 705 | | | P |

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: Discolored 4/16/02

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-7

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-8
Level (low/med): LOW Date Received: 01/16/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 22.6 | B | | P |

K-B

4/1/03

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: Dissolved 4/1/03

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-6MW-8

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-11
Level (low/med): LOW Date Received: 01/21/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 1150 | | | P |

4/1/3

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: Discolored 4/1/03

17

SW-846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-GW-117

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-3
Level (low/med): LOW Date Received: 01/15/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 27.1 | | | P |
| 7439-89-6 | Iron | 8840 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: Dissolved 4/1/03

18

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-GW-118

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-4
Level (low/med): LOW Date Received: 01/15/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 140 | | | P |

AB

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: Dissolved 4/16/03

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SW-846 METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-GW-118D

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2849Matrix (soil/water): WATERLab Sample ID: R2849-5Level (low/med): LOWDate Received: 01/15/03% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.6 | U | | P |
| 7439-89-6 | Iron | 135 | | | P |

* B

4/1/03

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: Dissolved 4/1/03

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SW-846 METALS

-I-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW-MW-115

Lab Name: COMPUCHEM Contract: _____
Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
Matrix (soil/water): WATER Lab Sample ID: R2849-9
Level (low/med): LOW Date Received: 01/21/03
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 4.2 | B | | P |
| 7439-89-6 | Iron | 7100 | | | P |

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____
Comments: Dissolved 4/1/03

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APPENDIX D

SUPPORT DOCUMENTATION

TABLE D-1
USEPA REGION III
SUMMARY OF CALIBRATION OUTLIERS
TCL VOCs

SDG Number: S2812, T2812 and Q2849

Laboratory: CompuChem

| Instrument/File ID: Date/Time: | Continuing Calibration F50052/CT021213A52 12/13/02 / 11:27 | | | Continuing Calibration F50052/CT030114A52 01/14/03 / 11:48 | | | Continuing Calibration F50052/CT030115A52 01/15/03 / 09:38 | | | Continuing Calibration F50052/CT030116A52 01/16/03 / 10:36 | | |
|-----------------------------------|--|------|-------|--|----|-------|--|----|-------|--|----|-------|
| | RRF | %RSD | Code* | RRF | %D | Code* | RRF | %D | Code* | RRF | %D | Code* |
| Acetone | 0.039 | | C | 0.040 | | C | 0.042 | | C | 0.034 | | C |
| Affected Samples: | ER-SS-120402 | | | GW-MW01, GW-MW02, GW-MW02D, GW-MW08 | | | Trip Blank (3), GW-MW11 | | | GW-MW10, GW-MW07, ER-SS-010803, GW-MW09, GW-MW05, GW-MW06, ER- SS-010903 | | |

Codes:

C - The RRF was <0.05 in the continuing calibration. Therefore, non-detect results are rejected ("R"), while positive results are qualified biased low ("L").

SDG Number: T2812 and Q2849

Laboratory: CompuChem

| Instrument/File ID: Date/Time: | Continuing Calibration 5972HP59/GS030121B59 01/21/03 / 21:17 | | | Continuing Calibration 5972HP59/GS030125A59 01/24/03 / 11:09 | | | Continuing Calibration | | |
|-----------------------------------|---|------|-------|--|----|-------|------------------------|----|-------|
| | RRF | %RSD | Code* | RRF | %D | Code* | RRF | %D | Code* |
| Acetone | 0.044 | | C | 0.040 | | C | | | |
| Affected Samples: | GW-MW03, GW-MW-3D, GW-MW-6, GW-MW-117, GW-MW-118, GW-MW-118D, Trip Blank (2), GW-MW-5D, GW-MW-5S, GW-MW-7 | | | GW-MW-115, GW-MW-3S, GW-MW-8, GW-MW-4, GW-MW-4D | | | | | |

Codes:

C - The RRF was <0.05 in the continuing calibration. Therefore, non-detect results are rejected ("R"), while positive results are qualified biased low ("L").

TABLE D-2
USEPA REGION III
SUMMARY OF CALIBRATION OUTLIERS
TCL SVOCs

SDG Number: Q2812, R2812, and S2812

Laboratory: CompuChem

| Instrument/File ID: Date/Time: | Continuing Calibration 5972HP64/HH021210B64 12/10/02 / 22:45 | | | Continuing Calibration 5972HP64/HH021215A64 12/15/02 / 11:21 | | | Continuing Calibration 5972HP64/HH021218A64 12/18/02 / 09:57 | | | Continuing Calibration 5972HP64/HG021217B64 12/17/02 / 18:42 | | |
|-----------------------------------|--|------|-------|--|----|-------|--|----|-------|--|----|-------|
| | RRF | %RSD | Code* | RRF | %D | Code* | RRF | %D | Code* | RRF | %D | Code* |
| Atrazine | 0.044 | | C | 0.033 | | C | 0.033 | | C | 0.035 | | C |
| Affected Samples: | ER-SS-120402, SS-MW11-1, SS-MW10-4 | | | ER-SS-121002 | | | SS-MW09-0, SS-MW09-1, MW-SS09-4 | | | SS-SB05-0, SS-SB05-1, SS-SB05-4, SS-MW11-0 | | |

Codes:

C - The RRF was <0.05 in the continuing calibration. Therefore, non-detect results are rejected ("R"), while positive results are qualified biased low ("L").

SDG Number: T2812

Laboratory: CompuChem

| Instrument/File ID: Date/Time: | Continuing Calibration 5972HP64/HG031009A64 01/09/03 / 09:56 | | | Continuing Calibration 5972HP64/HG030112A64 01/12/03 / 10:30 | | | Continuing Calibration 5972HP64/HG030119A64 01/19/03 / 10:59 | | | Continuing Calibration | | |
|-----------------------------------|--|------|-------|--|----|-------|--|----|-------|------------------------|----|-------|
| | RRF | %RSD | Code* | RRF | %D | Code* | RRF | %D | Code* | RRF | %D | Code* |
| Atrazine | 0.044 | | C | 0.021 | | C | 0.016 | | C | | | |
| Affected Samples: | GW-MW01, GW-MW02-D, GW-MW02 | | | GW-MW09, GW-MW05, GW-MW06, ER-SS010903 | | | GW-MW03 | | | | | |

Codes:

C - The RRF was <0.05 in the continuing calibration. Therefore, non-detect results are rejected ("R"), while positive results are qualified biased low ("L").

CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG #Q2812

SAMPLE IDENTIFICATIONS: SSMW07-0 SSMW07-1 SSMW07-4 SSMW08-0 SSMW08-1 SSMW08-4
SSMW11-1 SSMW11-4 SSMW11D-1 SSMW11D-4(RE) SSMW10-0 SSMW10-4 SSMW10D-4 SS-MW09-0
SS-MW09-1 SS-MW09-4

The sixteen soil samples listed above were received intact, in EnCore samplers, at 3.5, 4.9, and 3.3, degrees C, with proper documentation, in sealed shipping containers, on December 04, and 11, 2002. All samples were submitted for volatile, TOC, semivolatile, pesticide-PCB, and metals analysis. The volatile samples were prepared and analyzed following SW846 Method 8260B, and this portion of the SDG narrative will only cover the volatile data. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # Q2812 are included in the sample data sections. Analysis holding time requirements were met for all of these samples, and sample dry weight values ranged from 3 to 20 percent.

The volatile target analytes acetone, methylene chloride, and tetrachloroethene were the most frequently identified above the reporting limits in the submitted samples.

The analyses of samples SSMW11D-4, and SSMW10-0 failed high for recovery one or more SMC compounds and/or internal standards low for response, and this was confirmed as matrix interference by reanalysis for SSMW11D-4, and for this sample we have reported both runs. The same failing trend for high recovery of the bromofluorobenzene SMC in SSMW10-0 was evident in the duplicate matrix spikes generated from this original, and served to document matrix interference.

There is no Form VII for the batch BG021210A59(12:52) on instrument 59. This batch included an initial calibration and the relevant relative response factors are all displayed on the Form VI. The initial calibration met all acceptance criteria and therefore samples could be analyzed without having to analyze a continuing calibration verification standard.

Numerous late eluting Tentatively Identified Compounds (TICs) were present SSMW10-4, and SSMW10D-4, and were generally assessed as peaks of unknown characterization, and various alkanes.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples(except as noted above), and all of the internal standards met response and retention time criteria in the analyses of these sample(except as noted above).

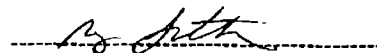
The associated method blanks met all QC criteria, and did not contain any target analytes above the reporting limits.

The duplicate matrix spikes were generated from SSMW10-0 as requested, and met all QC spike compound precision, and accuracy criteria.

The associated Laboratory Control Samples (LCSs) met all accuracy criteria.

Manual Quantitations were performed on some of the process files in the associated initial and continuing calibrations. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package, and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

A handwritten signature in cursive script, appearing to read "Roy Sutton", is written over a horizontal dashed line.

Roy Sutton

Case Reviewer

December 22, 2002

Page 6 of 1

Cooler Rec'd By: *C. Schiller*
 Sample Login By:
 Temperature: *3.5 → 4.7* °C
 Cyanide Samples checked for sulfide & chlorine? Y / *NA*
 Phenol Samples checked for chlorine? Y / *NA*
 Received in Good Condition? *(Y)* / N
 If no, explain:

| Parameters | | | | | | | | | | | |
|------------|----|---------------|----|------------|----|------------|----|------------|----|------------|----|
| VOA | | PCB Pest SIOC | | Metals | | Pb TOC | | Dry wt. | | | |
| No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH |
| 3.5g none | | 1.8oz | | 1.4g | | 1.4oz | | 1.4oz | | | |
| ↓ | | ↓ | | ↓ | | ↓ | | ↓ | | | |
| 9.5g none | | 3.8oz | | 3.4g | | 3.4oz | | 3.4oz | | | |
| 2.5g none | | 2.8oz | | 2.4g | | 2.4oz | | 2.4oz | | | |
| 3.5g none | | 1.8oz | | 1.4g | | 1.4oz | | 1.4oz | | | |
| 9.5g none | | 3.8oz | | 3.4g | | 3.4oz | | 3.4oz | | | |
| 140 calid | | — | | — | | — | | — | | | |

12/4/82

6/28/01 dce

| | | | | | | |
|-----------|-------------------------------------|-----------------|-------------------|---------------------|---------------------|-------|
| Container | Type Abbreviations: 40mL(40mL vial) | AL(Amber Liter) | PL(Plastic Liter) | 500P(500mL Plastic) | 250P(250mL Plastic) | OTHER |
|-----------|-------------------------------------|-----------------|-------------------|---------------------|---------------------|-------|

711 - 6/28/01 ace



COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068036

| | | |
|------------------------------------|---------------------------------------|--|
| Project Name: <u>80 DRS</u> | Client Address: <u>Malcolm Pirnie</u> | Point-of-Contact: <u>Tommy PACE</u> |
| Carrier: <u>UPS</u> | <u>701 Town Centre Dr. #600</u> | Telephone No.: <u>757 873-8700</u> |
| Airbill No.: <u>23606</u> | <u>NEWPORT NEWS</u> | Sampling complete? <u>Y</u> or <u>N</u> (see Note 1) |
| Sampler Name: <u>Gerlyn Perlas</u> | Sampler Signature: _____ | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | | | | | | |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinse 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 | A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | Box #4 | H. High M. Medium L. Low | Box #5 | C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|

| Sample ID (9 characters maximum) | | | | | | | | | | Date/Year: <u>2002</u> | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / PH | O&G / TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|---|---|---|---|---|---|---|---|--|------------------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|
| S | S | M | N | 0 | 7 | - | 0 | | | 12/3 | 9:30 | 5 | F | U | | S | 4 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | SVOC/pest/pub |
| S | S | M | N | 0 | 7 | - | 0 | | | 12/3 | 9:30 | 5 | F | U | | S | 3 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | all in one bottle |
| S | S | - | M | N | 0 | 7 | - | 1 | | 12/3 | 9:35 | 5 | F | U | | S | 7 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | |
| S | S | - | M | N | 0 | 7 | - | 4 | | 12/3 | 9:40 | 5 | F | U | | S | 7 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | TUC + PH are together |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | |
| S | S | - | M | N | 0 | 8 | - | 0 | | 12/3 | 11:30 | 5 | F | U | | S | 7 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| S | S | - | M | N | 0 | 8 | - | 1 | | 12/3 | 11:35 | 5 | F | U | | S | 7 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| S | S | - | M | N | 0 | 8 | - | 4 | | 12/3 | 11:40 | 5 | F | U | | S | 7 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | |

Clients Special Instructions:

Temperature 3.5 → 4.7 °C

Lab: Received in Good Condition? Y or N Describe Problems, if any:

| | | | | | |
|--|-----------------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <u>[Signature]</u> | Date: <u>Dec 3/02</u> | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <u>Malcolm Pirnie</u> | Time: <u>1646</u> | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <u>[Signature]</u> | Date: <u>12/4/02</u> | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: <u>CompuChem</u> | Time: <u>1000</u> | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



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501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068034

| | | | | | |
|---|--|--|--|--|--|
| Project Name: 80 DRS | | Client Address: Malcolm Pirnie | | Point-of-Contact: Tony Pace | |
| Carrier: UPS | | 701 Town Center Drive, #600 | | Telephone No.: 757-873-8700 | |
| Airbill No.: | | Newport News, VA 23606 | | Sampling complete? Y or N (see Note 1) | |
| Sampler Name: Gerlyn Perlas | | Sampler Signature: | | Project-specific (PS) or Batch (B) QC? | |
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other | | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | | BOX #3 F. Filtered U. Unfiltered Box #4 H. High M. Medium L. Low Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other | |

| Sample ID (9 characters maximum) | Date/Year: 2002 | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Mercury | Cyanide | TOC / TOX | Oil / TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|-----------------|------------------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|---------|---------|-----------|-----------|---|
| SS-MW11-1 | 12/3 | 14:15 | | | | | | | | | | | | | | | | | |
| SS-MW11-1 | 12/3 | 14:00 | S | R | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-MW11-4 | 12/3 | 14:55 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-MW11-1 | 12/3 | 14:15 | | | | | | | | | | | | | | | | | |
| SS-MW11-1 | 12/3 | 14:02 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-MW11-4 | 12/3 | 14:57 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-MW10-01 | 12/3 | 13:30 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-MW10MS/MSD-01 | 12/3 | 13:32 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |

Clients Special Instructions:

Lab: Received in Good Condition? Y or N Describe Problems, if any: Temperature 3.5 to 4.7°C

| | | | | | |
|--|---------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <i>Gerlyn Perlas</i> | Date: 12/3/02 | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: Malcolm Pirnie | Time: 1450 | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <i>D. Schiller</i> | Date: 12/4/02 | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: CompuChem | Time: 1000 | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
 Note (2): Samples stored 60 days after date report mailed at no extra charge.
 Note (3): All lab copies of data destroyed after three years.

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**501 Madison Avenue
Cary, NC 27513
1-800-833-5097**

CHAIN-OF-CUSTODY RECORD

No. 068031

| | | | | | |
|---|--|--|--|---|--|
| Project Name : 80 DRS | | Client Address : Malcolm Pirnie | | Point-of-Contact : Tony Pace | |
| Carrier : UPS | | 701 Town Center Drive, #600 | | Telephone No. 757-873-8700 | |
| Airbill No. : | | Newport News, VA 23606 | | Sampling complete? <input checked="" type="checkbox"/> Yes (see Note 1) | |
| Sampler Name : Gerlyn Perlas | | Sampler Signature : | | Project-specific (PS) or Batch (B) QC ? | |
| BOX #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved | | F. Ice Only G. Other _____ H. NaHSO4 + Ice I. ZnAc+NaOH + Ice | | BOX #3 F. Filtered U. Unfiltered | |
| | | BOX #4 | | H. High M. Medium L. Low | |
| | | | | Box #6 C. CLP 380 S. SW-846 W. CWA 600-series O. Other _____ | |

[illegible]**Clients Special Instructions:**

Temperature 3.5 °C

| Lab: Received in Good Condition? Y or N | | Describe Problems, if any: | | Temperature | |
|---|-------|----------------------------|-------|---------------------------|-------|
| Lab: Received in Good Condition? Y or N | | Describe Problems, if any: | | Temperature | |
| #1 Relinquished By: (Sig) | Date: | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) | Date: | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.

Page 1 of 1

| | | |
|-------------------------------|-----------------------------|---------------------|
| Client: Malcolm Pirnie | Rec'd Date: 12/11/02 | PPS/RFA 1263 |
| Project: | Courier: UPS | Lab Instructions |
| Quote: Q2812 | Airbill No. | TAL TCL |
| Login No. Q2812 | 12230 098 014141 | 2798 |
| Subcontract? Y / N | 12230 098 014129 | 1008 |
| TAT Verbal Report 17 | | 130 |

Cooler Rec'd By: M.A. Bailey
Sample Login By: RT Edwards
Temperature: 3.3 °C
Cyanide Samples checked for sulfide & chlorine? Y / NA
Phenol Samples checked for chlorine? Y / NA
Received in Good Condition? Y / N
If no, explain:

| Parameters | | | | | | | | | | | | | |
|--|----|---------------|----|---------------|----|---------------------|----|---------------|----|---------------|----|---------------|----|
| VOC | | TAC/pH | | Metals | | SVOC Pest PCB | | Endores | | | | | |
| No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH |
| 1-400jar | | 1-400jar | | 1-400jar | | 1-800jar | | 3-5gram | | | | | |
| ↓ | | ↓ | | ↓ | | ↓ | | ↓ | | | | | |
| <div style="border: 1px solid black; width: 100%; height: 100%; transform: rotate(45deg); position: relative;"> 12/11/02 </div> | | | | | | | | | | | | | |

Container Type Abbreviations: 40ml.(40ml. vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250ml. Plastic) OTHER

rl - 6/28/01:dec

Page 1 of 1

| | | |
|-------------------------------|-----------------------------|---------------------|
| Client: <u>Malcolm Pirnie</u> | Rec'd Date: <u>12/11/02</u> | PPS/RFA <u>1263</u> |
| Project: | Courier: <u>UPS</u> | Lab Instructions |
| Quote: <u>Q2812</u> | Airbill No. | <u>Russell</u> |
| Login No. <u>52812</u> | <u>17 230 098 014129</u> | <u>1008</u> |
| Subcontract? <u>Y / NO</u> | <u>17 230 098 014141</u> | <u>2798</u> |
| TAT Verbal <u>Report 14</u> | | <u>131</u> |

Cooler Rec'd By: W. Bailey
Sample Login By: _____
Temperature: 2.6 °C
Cyanide Samples checked for sulfide & chlorine? Y / NA
Phenol Samples checked for chlorine? Y / NA
Received in Good Condition? Y / N
If no, explain: _____

| Parameters | | | | | | | | | | | | | | | |
|------------|----|---------------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|
| VOA | | SVOC PCB PEST | | Metals | | | | | | | | | | | |
| No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH |
| 3-40m | | HAL | | 1-PLLA | | | | | | | | | | | |
| 1-40m | | - | | - | | | | | | | | | | | |
| 12/11/02 | | | | | | | | | | | | | | | |



COMPUCHEM

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501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068035

| | | |
|-----------------------------|---|---|
| Project Name: 80 DRS | Client Address: Malcolm Pirnie | Point-of-Contact: Tony Pace |
| Carrier: UPS | 701 Town Center Drive, #600 | Telephone No. 757-873-8700 |
| Airbill No.: | Newport News, VA 23606 | Sampling complete? <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N (see Note 1) |
| Sampler Name: Gerlyn Perlas | Sampler Signature: <i>Gerlyn Perlas</i> | Project-specific (PS) or Batch (B) QC? <u>PS</u> |

| | | | | | | | | |
|--------|---|---|--|--|-------------------------------------|---------------------------------------|---|---------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 390 S. SW-846 W. CWA 600-series O. Other | T. TCLP |
|--------|---|---|--|--|-------------------------------------|---------------------------------------|---|---------|

| Sample ID (9 characters maximum) | | | Date: Year | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metallic Mercury | Cyanide | TOC / PH | O&G / TPH | Remarks / Comments (see Notes 2 & 3) | | |
|-------------------------------------|--|--|------------|------------------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|----------|-----------|---|--|--|
| SS-MW09-0 | | | 2002 | 12/10/10:15 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | SVOC / PEST / PCB | | |
| | | | | | | | | | | | | | | | | | | | | | all in one bottle | | |
| SS-MW09-1 | | | | 12/10/10:20 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | | | | | | | | | | | | | | | | | | | | TOC & PH in one bottle | | |
| SS-MW09-4 | | | | 12/10/10:25 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | | | | | | | | | | | | | | | | | | | | 3 enclosures per sample | | |
| IR + P BLANK | | | | 12/10 | 6 | F | U | | S | 1 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

Clients Special Instructions:

Temperature 3.3 °C

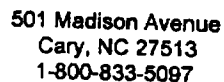
Lab: Received in Good Condition? Y or N Describe Problems, if any:

| | | | | | |
|--|-----------------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <i>Gerlyn Perlas</i> | Date: <u>12/10/02</u> | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <u>Malcolm Pirnie</u> | Time: <u>1535</u> | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <i>Malcolm Pirnie</i> | Date: <u>12/11/02</u> | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: <u>CompuChem</u> | Time: <u>9:10 am</u> | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



No. 067059

| | | | | | | | | | | | |
|--------|--|-----------------------------|----------------|----------------|--|---------------|--|-----------|--|-------------------|--|
| BOX #1 | | 1. Surface Water | 6. Trip Blank | BOX #2 | | BOX #3 | | BOX #4 | | BOX #5 | |
| | | 2. Ground Water | 7. Oil | A. HCl + Ice | | F. Filtered | | H. High | | C. CLP 3/90 | |
| | | 3. Leachate | 8. Waste | B. HNO3 + Ice | | U. Unfiltered | | M. Medium | | T. TCLP | |
| | | 4. Rinsate | 9. Other _____ | C. NaOH + Ice | | | | L. Low | | S. SW-846 | |
| | | 5. Soil / Sediment / Sludge | | D. H2SO4 + Ice | | | | | | W. CWA 600-series | |
| | | | | E. Unpreserved | | | | | | O. Other _____ | |

[illegible]

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Level: (low/med) LOW

| | CLIENT SAMPLE NO. | SMC1 (DBF) # | SMC2 (DCE) # | SMC3 (TOL) # | SMC4 (BFB) # | TOT OUT |
|----|----------------------|-----------------|-----------------|-----------------|-----------------|------------|
| | ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | VBLKCR | 99 | 90 | 108 | 124 | 0 |
| 02 | VCRLCS | 95 | 98 | 94 | 96 | 0 |
| 03 | SSMW07-0 | 82 | 81 | 90 | 111 | 0 |
| 04 | SSMW07-1 | 83 | 85 | 90 | 110 | 0 |
| 05 | SSMW07-4 | 89 | 91 | 98 | 124 | 0 |
| 06 | SSMW08-1 | 90 | 95 | 97 | 125 | 0 |
| 07 | SSMW08-4 | 88 | 94 | 96 | 128 | 0 |
| 08 | SSMW11D-4 | 96 | 110 | 86 | 90 | 0 |
| 09 | SSMW10-0 | 84 | 94 | 92 | 134* | 1 |
| 10 | SSMW10-OMS | 81 | 79 | 86 | 130 | 0 |
| 11 | SSMW10-OMSD | 88 | 85 | 97 | 136* | 1 |
| 12 | VBLKCS | 115 | 118 | 123 | 116 | 0 |
| 13 | VCXLCS | 111 | 122 | 116 | 114 | 0 |
| 14 | SSMW08-0 | 106 | 123 | 115 | 117 | 0 |
| 15 | SSMW11-1 | 107 | 121 | 112 | 117 | 0 |
| 16 | SSMW11-4 | 104 | 122 | 113 | 109 | 0 |
| 17 | SSMW11D-1 | 105 | 121 | 114 | 118 | 0 |
| 18 | SSMW11D-4RE | 109 | 130 | 123 | 122 | 0 |
| 19 | SSMW10-4 | 107 | 128 | 113 | 119 | 0 |
| 20 | SSMW10D-4 | 102 | 118 | 104 | 109 | 0 |
| 21 | VBLKGS | 100 | 92 | 96 | 113 | 0 |
| 22 | VGTLCS | 101 | 93 | 89 | 112 | 0 |
| 23 | SS-MW09-0 | 108 | 114 | 83 | 108 | 0 |
| 24 | SS-MW09-1 | 113 | 116 | 84 | 106 | 0 |
| 25 | SS-MW09-4 | 112 | 116 | 84 | 106 | 0 |
| 26 | | | | | | |
| 27 | | | | | | |
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QC LIMITS

SMC1 (DBF) = Dibromofluoromethane (71-141)
 SMC2 (DCE) = 1,2-Dichloroethane-d4 (70-139)
 SMC3 (TOL) = Toluene-d8 (72-123)
 SMC4 (BFB) = Bromofluorobenzene (65-131)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

Lab Name: COMPUCHEM

Contract: 8260B

VBLKCR

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2812

Lab File ID: WG21849-1A59

Lab Sample ID: WG21849-1

Date Analyzed: 12/10/02

Time Analyzed: 1620

GC Column: ZB624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|-------------|------------------|----------------|------------------|
| 01 | VCRLCS | WG21849-4 | WG21849-4RA5 | 1800 |
| 02 | SSMW07-0 | Q2812-1 | Q2812-1A59 | 1830 |
| 03 | SSMW07-1 | Q2812-2 | Q2812-2A59 | 1856 |
| 04 | SSMW07-4 | Q2812-3 | Q2812-3A59 | 1921 |
| 05 | SSMW08-1 | Q2812-5 | Q2812-5A59 | 2011 |
| 06 | SSMW08-4 | Q2812-6 | Q2812-6A59 | 2036 |
| 07 | SSMW11D-4 | Q2812-10 | Q2812-10A59 | 2216 |
| 08 | SSMW10-0 | Q2812-11 | Q2812-11A59 | 2241 |
| 09 | SSMW10-0MS | WG21849-6 | WG21849-6A59 | 0021 |
| 10 | SSMW10-0MSD | WG21849-7 | WG21849-7A59 | 0046 |
| 11 | | | | |
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COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKCX

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Lab File ID: WG21851-1R2A59

Lab Sample ID: WG21851-1

Date Analyzed: 12/11/02

Time Analyzed: 1223

GC Column: ZB624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|-------------|------------------|----------------|------------------|
| 01 | VCXLCS | WG21851-4 | WG21851-4RA5 | 1424 |
| 02 | SSMW08-0 | Q2812-4 | Q2812-4RA59 | 1501 |
| 03 | SSMW11-1 | Q2812-7 | Q2812-7RA59 | 1526 |
| 04 | SSMW11-4 | Q2812-8 | Q2812-8RA59 | 1551 |
| 05 | SSMW11D-1 | Q2812-9 | Q2812-9RA59 | 1617 |
| 06 | SSMW11D-4RE | Q2812-10 | Q2812-10RA59 | 1642 |
| 07 | SSMW10-4 | Q2812-12 | Q2812-12RA59 | 1707 |
| 08 | SSMW10D-4 | Q2812-13 | Q2812-13RA59 | 1732 |
| 09 | | | | |
| 10 | | | | |
| 11 | | | | |
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COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

VBLKGS

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Lab File ID: WG22043-1RA52_TC4

Lab Sample ID: WG22043-1

Date Analyzed: 12/20/02

Time Analyzed: 1421

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: F50052

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|------------|------------------|----------------|------------------|
| 01 | VGTLCS | WG22043-5 | WG22043-5RA5 | 1503 |
| 02 | SS-MW09-0 | Q2812-14 | Q2812-14A52 | 2005 |
| 03 | SS-MW09-1 | Q2812-15 | Q2812-15A52 | 2038 |
| 04 | SS-MW09-4 | Q2812-16 | Q2812-16B52 | 2110 |
| 05 | | | | |
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKCR

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21849-1

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: WG21849-1A59

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 2 | J |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 0.6 | J |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 4 | J |
| 75-09-2----- | Methylene Chloride | 2 | J |
| 156-60-5----- | trans-1,2-Dichloroethene | 0.7 | J |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 0.5 | J |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 1 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 0.5 | J |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKCR

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21849-1

Sample wt/vol: 5.00(g/mL) G

Lab File ID: WG21849-1A59

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/10/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (ul

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 15 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKCX

Lab Name: COMPUCHEM Method: 8260B
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2812
Matrix: (soil/water) SOIL Lab Sample ID: WG21851-1
Sample wt/vol: 5.00(g/mL) G Lab File ID: WG21851-1R2A59
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 12/11/02
GC Column: ZB624 ID: 0.32 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 0.6 | J |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 1 | J |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 2 | J |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.8 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

VBLKCX

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21851-1

Sample wt/vol: 5.00(g/mL) G

Lab File ID: WG21851-1R2A59

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | | Q |
|-----------|-----------------------------|---|---|---|
| 108-90-7 | Chlorobenzene | 5 | U | |
| 100-41-4 | Ethylbenzene | 5 | U | |
| 100-42-5 | Styrene | 5 | U | |
| 75-25-2 | Bromoform | 5 | U | |
| 98-82-8 | Isopropyl Benzene | 5 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U | |
| 1330-20-7 | Xylene (total) | 15 | U | |
| 79-20-9 | Methyl acetate | 5 | U | |
| 110-82-7 | Cyclohexane | 5 | U | |
| 108-87-2 | Methylcyclohexane | 5 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKGS

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG22043-1

Sample wt/vol: 5.00(g/mL) G

Lab File ID: WG22043-1RA52_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|------------------------------|---|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 2 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

VBLKGS

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG22043-1

Sample wt/vol: 5.00(g/mL) G

Lab File ID: WG22043-1RA52_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/20/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | | Q |
|-----------|-----------------------------|---|---|---|
| 108-90-7 | Chlorobenzene | 5 | U | |
| 100-41-4 | Ethylbenzene | 5 | U | |
| 100-42-5 | Styrene | 5 | U | |
| 75-25-2 | Bromoform | 5 | U | |
| 98-82-8 | Isopropyl Benzene | 5 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.6 | J | |
| 1330-20-7 | Xylene (total) | 15 | U | |
| 79-20-9 | Methyl acetate | 5 | U | |
| 110-82-7 | Cyclohexane | 5 | U | |
| 108-87-2 | Methylcyclohexane | 5 | U | |

FORM I VOA

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FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Contract: 8260B
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2812
Lab File ID (Standard): GV021210A59 Date Analyzed: 12/10/02
Instrument ID: 5972HP59 Time Analyzed: 1424
GC Column: ZB624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

| | IS1 (FBZ) | | IS2 (CBZ) | | IS3 (DCB) | |
|----------------|-----------|-------|-----------|-------|-----------|-------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 12 HOUR STD | 818023 | 8.98 | 534973 | 12.46 | 282961 | 14.46 |
| UPPER LIMIT | 1636046 | 9.48 | 1069946 | 12.96 | 565922 | 14.96 |
| LOWER LIMIT | 409012 | 8.48 | 267486 | 11.96 | 141480 | 13.96 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| CLIENT | | | | | | |
| SAMPLE NO. | | | | | | |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 01 VBLKCR | 787816 | 8.98 | 476915 | 12.47 | 250080 | 14.47 |
| 02 VCRLCS | 745226 | 8.98 | 491442 | 12.47 | 262914 | 14.47 |
| 03 SSMW07-0 | 655544 | 8.98 | 401988 | 12.47 | 199791 | 14.47 |
| 04 SSMW07-1 | 728853 | 8.98 | 440192 | 12.47 | 225392 | 14.47 |
| 05 SSMW07-4 | 676416 | 8.98 | 394073 | 12.47 | 175306 | 14.47 |
| 06 SSMW08-1 | 604441 | 8.98 | 364111 | 12.46 | 176731 | 14.47 |
| 07 SSMW08-4 | 583235 | 8.98 | 355332 | 12.47 | 168729 | 14.47 |
| 08 SSMW11D-4 | 419325 | 8.99 | 167043* | 12.47 | 52123* | 14.47 |
| 09 SSMW10-0 | 589117 | 8.99 | 340681 | 12.47 | 133364* | 14.47 |
| 10 SSMW10-OMS | 728036 | 8.98 | 444447 | 12.47 | 182672 | 14.47 |
| 11 SSMW10-OMSD | 681752 | 8.98 | 405766 | 12.47 | 166837 | 14.47 |
| 12 | | | | | | |
| 13 | | | | | | |
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| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Lab File ID (Standard): CS021211A59

Date Analyzed: 12/11/02

Instrument ID: 5972HP59

Time Analyzed: 0953

GC Column: ZB624

ID: 0.32 (mm)

Heated Purge: (Y/N) Y

| | IS1 (FBZ) AREA # | RT # | IS2 (CBZ) AREA # | RT # | IS3 (DCB) AREA # | RT # |
|----------------------|---------------------|-------|---------------------|-------|---------------------|-------|
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 12 HOUR STD | 730363 | 8.98 | 485754 | 12.47 | 264302 | 14.47 |
| UPPER LIMIT | 1460726 | 9.48 | 971508 | 12.97 | 528604 | 14.97 |
| LOWER LIMIT | 365182 | 8.48 | 242877 | 11.97 | 132151 | 13.97 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| CLIENT SAMPLE NO. | | | | | | |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 01 VBLKCX | 596104 | 8.99 | 366994 | 12.48 | 191324 | 14.47 |
| 02 VCXLCS | 616498 | 8.99 | 389666 | 12.47 | 200564 | 14.47 |
| 03 SSMW08-0 | 585905 | 8.99 | 352195 | 12.48 | 178673 | 14.47 |
| 04 SSMW11-1 | 547162 | 8.98 | 328009 | 12.47 | 160128 | 14.47 |
| 05 SSMW11-4 | 541487 | 8.99 | 319904 | 12.47 | 163421 | 14.47 |
| 06 SSMW11D-1 | 490224 | 8.98 | 284674 | 12.47 | 136397 | 14.47 |
| 07 SSMW11D-4RE | 447426 | 8.98 | 222178* | 12.47 | 91387* | 14.47 |
| 08 SSMW10-4 | 480503 | 8.99 | 281133 | 12.47 | 135420 | 14.47 |
| 09 SSMW10D-4 | 540250 | 8.98 | 348177 | 12.47 | 174764 | 14.47 |
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IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

COMPUCHEM

A division of Liberty Analytical Corporation
501 MADISON AVE.
CARY, NC 27513
(919) 379-4100

SDG NARRATIVE

SDG # Q2812
PROTOCOL : SW-846
METHOD : 8270C

SAMPLE IDENTIFICATIONS:

| | | | | | |
|-----------|-----------|-----------|-----------|-----------|----------|
| SSMW07-0 | SSMW07-1 | SSMW07-4 | SSMW08-0 | SSMW08-1 | SSMW08-4 |
| SS-MW09-0 | SS-MW09-1 | SS-MW09-4 | SSMW10-0 | SSMW10-4 | |
| SSMW10D-4 | SSMW11-1 | SSMW11-4 | SSMW11D-1 | SSMW11D-4 | |

The sixteen (16) soil samples listed above were received intact, properly refrigerated, with proper documentation, in sealed shipping containers, on December 4 and 11, 2002. The samples were scheduled for the requested analyses of the semivolatile fractions. SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B) and Method 8270C were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client.

The client identification for SSMW10D-4 appears as SS-MW10MS/MSD-4 on the chain-of-custody document. Sample SSMW10-0 also had a duplicate sample identified as MS/MSD. The duplicate matrix spikes were prepared from SSMW10-0.

All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices are included in the sample data sections.

SEMIVOLATILE

Extraction and analysis holding time requirements were met for all of these samples. The percent moisture values for the samples ranged from 3% to 20%.

Due to the limited amount of sample received, SS-MW09-0, SS-MW09-1 and SS-MW09-4 were extracted using 15.0 grams of raw sample instead of the method-specified amount of 30.0 grams. The extracts were concentrated to final volumes half that of the method-specified volume, and therefore no effective dilutions were performed during the extraction procedures.

One to sixteen semivolatile target analytes were identified above the Quantitation Limits (QL) in five of these samples. These analytes were bis(2-ethylhexyl)phthalate, pyrene, naphthalene, 2-methylnaphthalene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene.

Four to twenty Tentatively Identified Compounds (TICs) were detected in the samples. These TICs were assessed as unknowns, substituted naphthalenes, alkanes, siloxanes, amides,

carboxylic acids, PAHs, sulfur and ketones. In the analysis of SSMW08-1, one or more TICs were assessed as TCL analytes. However, the retention times of these TICs did not compare well to the analyte retention times in the associated Continuing Calibration standard. In accordance with the EPA CLP Statement of Work, Document number OLM04.2, TICs at or above 85% purity should be assessed as the compound [page D-46/SVOA; section 11.1.2.5.6].

Due to the appearance of the extract, SSMW08-0 was initially analyzed at a 3x dilution.

Manual quantitations were performed on one or more of the process files associated with the samples in this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

QC SUMMARY

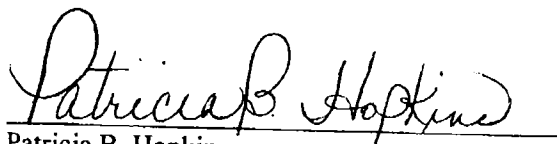
All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated to this SDG. Tailing factor criteria were met for pentachlorophenol and benzidine. The breakdown criterion was met for DDT. These three compounds have been added to the DFTPP solution and analyzed together. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The surrogates met recovery criteria in the analyses of these samples. The internal standards met response and retention time criteria in the analyses of these samples.

SSMW10-0 was used as the original to prepare the duplicate matrix spikes. The duplicate matrix spikes met accuracy and precision criteria, with exceptions. The recovery of acenaphthene was flagged as an outlier in the MS and the recoveries of acenaphthene and pyrene were flagged as outliers in the MSD. The associated Laboratory Control Samples (LCSs) met overall accuracy criteria. The recoveries of acenaphthene and pyrene were flagged as outliers in SACLCS.

The associated method blanks met all quality control criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Patricia B. Hopkins

Data Analyst II

22 December 2002

Laboratory Notice

Calibration Date(s): 17-DEC-2002 18:42 17-DEC-2002 21:37

Instrument ID: 5972hp64

An initial calibration was analyzed by Method 8270C. Per the methodology, all compounds are to meet a Percent Relative Standard deviation (%RSD) limit of no more than 15%. Additional calibration options are provided in the method when the RSD exceeds 15%. CompuChem was chosen to apply the option of determining the mean RSD values for all analytes in the initial calibration.

When there are analytes with %RSDs greater than the limit, proof of calibration linearity can be shown if the average of all compounds in the initial calibration meet the same 15% limit. Based on Method 8270C, sec. 7.3.7.1, and Method 8000B, Section 7.5.1.2, we are providing a list of the compounds which failed to meet the limit, and their associated RSDs. Finally, the average of all %RSDs from all compounds in the initial calibration is shown, confirming the usability of the initial calibration and any data that follows it.

| Compound Name | RSD |
|---------------|-------|
| ===== | ===== |
| pyridine | 20.6 |
| triazine | 86.1 |
| enzidine | 37.0 |

Average %RSD for all compounds in the Initial Calibration: 5.6 %

Data Reviewer/ID: VR / 2391

Date: 12/19/02

Laboratory Notice

Calibration Date(s): 25-NOV-2002 20:41 25-NOV-2002 23:37

Instrument ID: 5972hp64

An initial calibration was analyzed by Method 8270C. Per the methodology, all compounds are to meet a Percent Relative Standard Deviation (%RSD) limit of no more than 15%. Additional calibration options are provided in the method when the RSD exceeds 15%. CompuChem is chosen to apply the option of determining the mean RSD values for all analytes in the initial calibration.

When there are analytes with %RSDs greater than the limit, proof of calibration linearity can be shown if the average of all compounds in the initial calibration meet the same 15% limit. Based on Method 8270C, sec. 7.3.7.1, and Method 8000B, Section 7.5.1.2, we are providing a list of the compounds which failed to meet the limit, and their associated %RSDs. Finally, the average of all %RSDs from all compounds in the initial calibration is shown, confirming the usability of the initial calibration and any data that follows it.

| Compound Name | RSD |
|---------------------------|------|
| benzaldehyde | 18.8 |
| 4-Dimethylphenol | 17.4 |
| hexachlorocyclopentadiene | 17.6 |
| Chlorophenyl-phenylether | 18.7 |
| Nitrosodiphenylamine | 15.8 |
| triazine | 69.7 |
| benzidine | 23.4 |

Average %RSD for all compounds in the Initial Calibration: 10.0 %

Data Reviewer/ID: RK Mead / 2421

Date: 12/4/2

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKAC

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Lab File ID: WG21775-1J2A64

Lab Sample ID: WG21775-1

Instrument ID: 5972HP64

Date Extracted: 12/04/02

Matrix: (soil/water) SOIL

Date Analyzed: 12/10/02

Level: (low/med) LOW

Time Analyzed: 1317

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|----|-------------|------------------|----------------|------------------|
| 01 | SACLCS | WG21775-2 | WG21775-2JA6 | 12/10/02 |
| 02 | SSMW07-0 | Q2812-1 | Q2812-1A64 | 12/10/02 |
| 03 | SSMW07-1 | Q2812-2 | Q2812-2A64 | 12/10/02 |
| 04 | SSMW07-4 | Q2812-3 | Q2812-3A64 | 12/10/02 |
| 05 | SSMW08-0 | Q2812-4 | Q2812-4DA64 | 12/10/02 |
| 06 | SSMW08-1 | Q2812-5 | Q2812-5A64 | 12/10/02 |
| 07 | SSMW08-4 | Q2812-6 | Q2812-6A64 | 12/10/02 |
| 08 | SSMW11-4 | Q2812-8 | Q2812-8A64 | 12/10/02 |
| 09 | SSMW11D-1 | Q2812-9 | Q2812-9A64 | 12/10/02 |
| 10 | SSMW11D-4 | Q2812-10 | Q2812-10A64 | 12/10/02 |
| 11 | SSMW10-0 | Q2812-11 | Q2812-11A64 | 12/10/02 |
| 12 | SSMW10-0MS | WG21775-3 | WG21775-3A64 | 12/10/02 |
| 13 | SSMW10-0MSD | WG21775-4 | WG21775-4A64 | 12/10/02 |
| 14 | SSMW11-1 | Q2812-7 | Q2812-7JB64 | 12/11/02 |
| 15 | SSMW10-4 | Q2812-12 | Q2812-12JB64 | 12/11/02 |
| 16 | SSMW10D-4 | Q2812-13 | Q2812-13JA64 | 12/11/02 |
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COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLKAC

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21775-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21775-1J2A64

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 330 | U |
| 108-95-2----- | Phenol | 330 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 330 | U |
| 95-57-8----- | 2-Chlorophenol | 330 | U |
| 95-48-7----- | 2-Methylphenol | 330 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 330 | U |
| 98-86-2----- | Acetophenone | 330 | U |
| 106-44-5----- | 4-Methylphenol | 330 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 330 | U |
| 67-72-1----- | Hexachloroethane | 330 | U |
| 98-95-3----- | Nitrobenzene | 330 | U |
| 78-59-1----- | Isophorone | 330 | U |
| 88-75-5----- | 2-Nitrophenol | 330 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 330 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 330 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 330 | U |
| 91-20-3----- | Naphthalene | 330 | U |
| 106-47-8----- | 4-Chloroaniline | 330 | U |
| 87-68-3----- | Hexachlorobutadiene | 330 | U |
| 105-60-2----- | Caprolactam | 330 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 330 | U |
| 91-57-6----- | 2-Methylnaphthalene | 330 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 330 | U |
| 92-52-4----- | 1,1'-Biphenyl | 330 | U |
| 91-58-7----- | 2-Chloronaphthalene | 330 | U |
| 88-74-4----- | 2-Nitroaniline | 660 | U |
| 131-11-3----- | Dimethylphthalate | 330 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 330 | U |
| 208-96-8----- | Acenaphthylene | 330 | U |
| 99-09-2----- | 3-Nitroaniline | 660 | U |
| 83-32-9----- | Acenaphthene | 330 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLKAC

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2812

Matrix: (soil/water) SOIL Lab Sample ID: WG21775-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: WG21775-1J2A64

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|----------------|-----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 660 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 330 | U |
| 132-64-9----- | Dibenzofuran | 330 | U |
| 84-66-2----- | Diethylphthalate | 330 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 330 | U |
| 86-73-7----- | Fluorene | 330 | U |
| 100-01-6----- | 4-Nitroaniline | 660 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 660 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 330 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1----- | Hexachlorobenzene | 330 | U |
| 1912-24-9----- | Atrazine | 330 | U |
| 87-86-5----- | Pentachlorophenol | 330 | U |
| 85-01-8----- | Phenanthrene | 34 | J |
| 120-12-7----- | Anthracene | 330 | U |
| 86-74-8----- | Carbazole | 330 | U |
| 84-74-2----- | Di-n-butylphthalate | 330 | U |
| 206-44-0----- | Fluoranthene | 260 | J |
| 129-00-0----- | Pyrene | 180 | J |
| 85-68-7----- | Butylbenzylphthalate | 330 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 330 | U |
| 117-81-7----- | bis(2-ethylhexyl) Phthalate | 330 | U |
| 56-55-3----- | Benzo(a)anthracene | 140 | J |
| 218-01-9----- | Chrysene | 170 | J |
| 117-84-0----- | Di-n-octylphthalate | 330 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 72 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 58 | J |
| 50-32-8----- | Benzo(a)pyrene | 33 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 330 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 330 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLKAC

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21775-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21775-1J2A64

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/04/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/10/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|---|
| 1. | UNKNOWN (BC) | 5.39 | 300 | J |
| 2. | UNKNOWN (BC) | 5.66 | 330 | J |
| 3. | UNKNOWN (BC) | 6.84 | 180 | J |
| 4. | UNKNOWN (BC) | 6.91 | 580 | J |
| 5. | UNKNOWN (BC) | 7.26 | 210 | J |
| 6. | UNKNOWN (BC) | 7.65 | 270 | J |
| 7. | | | | |
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FORM I SV-TIC

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKCJ

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Lab File ID: WG21883-1JA64

Lab Sample ID: WG21883-1

Instrument ID: 5972HP64

Date Extracted: 12/11/02

Matrix: (soil/water) SOIL

Date Analyzed: 12/18/02

Level: (low/med) LOW

Time Analyzed: 2028

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|----|------------|------------------|----------------|------------------|
| 01 | SCJLCS | WG21883-2 | WG21883-2A64 | 12/18/02 |
| 02 | SS-MW09-0 | Q2812-14 | Q2812-14A64 | 12/18/02 |
| 03 | SS-MW09-1 | Q2812-15 | Q2812-15A64 | 12/18/02 |
| 04 | SS-MW09-4 | Q2812-16 | Q2812-16A64 | 12/18/02 |
| 05 | | | | |
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COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLKCJ

Lab Name: COMPUCEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21883-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21883-1JA64

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|-----|---|
| 100-52-7----- | Benzaldehyde | 330 | U |
| 108-95-2----- | Phenol | 330 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 330 | U |
| 95-57-8----- | 2-Chlorophenol | 330 | U |
| 95-48-7----- | 2-Methylphenol | 330 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 330 | U |
| 98-86-2----- | Acetophenone | 330 | U |
| 106-44-5----- | 4-Methylphenol | 330 | U |
| 621-64-7----- | N-Nitroso-di-N-propylamine | 330 | U |
| 67-72-1----- | Hexachloroethane | 330 | U |
| 98-95-3----- | Nitrobenzene | 330 | U |
| 78-59-1----- | Isophorone | 330 | U |
| 88-75-5----- | 2-Nitrophenol | 330 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 330 | U |
| 111-91-1----- | Bis(2-chloroethoxy)methane | 330 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 330 | U |
| 91-20-3----- | Naphthalene | 330 | U |
| 106-47-8----- | 4-Chloroaniline | 330 | U |
| 87-68-3----- | Hexachlorobutadiene | 330 | U |
| 105-60-2----- | Caprolactam | 330 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 330 | U |
| 91-57-6----- | 2-Methylnaphthalene | 330 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 330 | U |
| 92-52-4----- | 1,1'-Biphenyl | 330 | U |
| 91-58-7----- | 2-Chloronaphthalene | 330 | U |
| 88-74-4----- | 2-Nitroaniline | 660 | U |
| 131-11-3----- | Dimethylphthalate | 330 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 330 | U |
| 208-96-8----- | Acenaphthylene | 330 | U |
| 99-09-2----- | 3-Nitroaniline | 660 | U |
| 83-32-9----- | Acenaphthene | 330 | U |

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLKCJ

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21883-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21883-1JA64

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 660 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 330 | U |
| 132-64-9----- | Dibenzofuran | 330 | U |
| 84-66-2----- | Diethylphthalate | 330 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 330 | U |
| 86-73-7----- | Fluorene | 330 | U |
| 100-01-6----- | 4-Nitroaniline | 660 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 660 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 330 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1----- | Hexachlorobenzene | 330 | U |
| 1912-24-9----- | Atrazine | 330 | U |
| 87-86-5----- | Pentachlorophenol | 330 | U |
| 85-01-8----- | Phenanthrene | 330 | U |
| 120-12-7----- | Anthracene | 330 | U |
| 86-74-8----- | Carbazole | 330 | U |
| 84-74-2----- | Di-n-butylphthalate | 330 | U |
| 206-44-0----- | Fluoranthene | 330 | U |
| 129-00-0----- | Pyrene | 330 | U |
| 85-68-7----- | Butylbenzylphthalate | 330 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 330 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 330 | U |
| 56-55-3----- | Benzo(a)anthracene | 330 | U |
| 218-01-9----- | Chrysene | 330 | U |
| 117-84-0----- | Di-n-octylphthalate | 330 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 330 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 330 | U |
| 50-32-8----- | Benzo(a)pyrene | 330 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 330 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 330 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV

8270C

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLKCJ

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21883-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21883-1JA64

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/11/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/18/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|------------------------------|-------|------------|----|
| 1. | UNKNOWN (BC) | 5.31 | 340 | J |
| 2. | UNKNOWN (BC) | 5.61 | 760 | J |
| 3. | UNKNOWN (BC) | 6.89 | 270 | J |
| 4. | UNKNOWN (BC) | 7.63 | 140 | J |
| 5. | UNKNOWN (BC) | 10.82 | 160 | J |
| 6. 10544-50-0 | SULFUR, MOL. (S8) | 13.98 | 200 | NJ |
| 7. 19047-85-9 | PHOSPHONIC ACID, DIOCTADECYL | 17.55 | 170 | NJ |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
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| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
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| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I SV-TIC

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Lab File ID: DF021210B64

DFTPP Injection Date: 12/10/02

Instrument ID: 5972HP64

DFTPP Injection Time: 2149

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 80.0% of mass 198 | 44.2 |
| 68 | Less than 2.0% of mass 69 | 0.1 (0.2)1 |
| 69 | Mass 69 relative abundance | 59.6 |
| 70 | Less than 2.0% of mass 69 | 0.3 (0.4)1 |
| 127 | 25.0 - 75.0% of mass 198 | 41.1 |
| 197 | Less than 1.0% of mass 198 | 0.2 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.3 |
| 275 | 10.0 - 30.0% of mass 198 | 20.9 |
| 365 | Greater than 0.75% of mass 198 | 2.91 |
| 441 | Present, but less than mass 443 | 11.9 |
| 442 | 40.0 - 110.0% of mass 198 | 84.5 |
| 443 | 15.0 - 24.0% of mass 442 | 15.4 (18.3)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD080 | SSTD080 | HH021210B64 | 12/10/02 | 2245 |
| 02 | SSMW11-1 | Q2812-7 | Q2812-7JB64 | 12/11/02 | 0842 |
| 03 | SSMW10-4 | Q2812-12 | Q2812-12JB64 | 12/11/02 | 0917 |
| 04 | | | | | |
| 05 | | | | | |
| 06 | | | | | |
| 07 | | | | | |
| 08 | | | | | |
| 09 | | | | | |
| 10 | | | | | |
| 11 | | | | | |
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| 14 | | | | | |
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| 16 | | | | | |
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| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Instrument ID: 5972HP64

Calibration Date: 12/10/02

Time: 2245

Lab File ID: HH021210B64

Init. Calib. Date(s): 11/25/02

11/25/02

Init. Calib. Times: 2041

2337

GC Column: RTX-5MS ID: 0.32 (mm)

| COMPOUND | RRF OR AMOUNT | RRF80.000 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|-----------------------------|------------------|---------------------------|------------|-----------------|---------------------|--------------|
| N-Nitrosodiphenylamine | 0.5380000 | 0.4894140 | 0.01 | -9.03 | 20.00 | AVRG |
| 4-Bromophenyl-phenylether | 0.2810000 | 0.3021985 | 0.01 | 7.54 | 50.00 | AVRG |
| Hexachlorobenzene | 0.3340000 | 0.3466839 | 0.01 | 3.80 | 50.00 | AVRG |
| Atrazine | 0.1360000 | 0.0439843 | 0.01 | -67.66 | 50.00 | AVRG <- |
| Pentachlorophenol | 0.1940000 | 0.1893741 | 0.05 | -2.38 | 20.00 | AVRG |
| Phenanthrene | 1.1760000 | 1.1620256 | 0.01 | -1.19 | 50.00 | AVRG |
| Anthracene | 1.1690000 | 1.2236479 | 0.01 | 4.67 | 50.00 | AVRG |
| Carbazole | 1.0480000 | 1.0283960 | 0.01 | -1.87 | 50.00 | AVRG |
| Di-n-butylphthalate | 1.4730000 | 1.7530456 | 0.01 | 19.01 | 50.00 | AVRG |
| Fluoranthene | 1.3470000 | 1.4565602 | 0.01 | 8.13 | 20.00 | AVRG |
| Pyrene | 1.3850000 | 1.4257478 | 0.01 | 2.94 | 50.00 | AVRG |
| Butylbenzylphthalate | 0.6860000 | 0.7934586 | 0.01 | 15.66 | 50.00 | AVRG |
| 3,3'-Dichlorobenzidine | 0.4470000 | 0.4549664 | 0.01 | 1.78 | 50.00 | AVRG |
| bis(2-ethylhexyl) Phthalate | 0.8820000 | 0.9987223 | 0.01 | 13.23 | 50.00 | AVRG |
| Benzo(a)anthracene | 1.2920000 | 1.3448715 | 0.01 | 4.09 | 50.00 | AVRG |
| Chrysene | 1.1240000 | 1.1734410 | 0.01 | 4.40 | 50.00 | AVRG |
| Di-n-octylphthalate | 2.1280000 | 2.4580663 | 0.01 | 15.51 | 20.00 | AVRG |
| Benzo(b)fluoranthene | 1.7930000 | 2.1035716 | 0.01 | 17.32 | 50.00 | AVRG |
| Benzo(k)fluoranthene | 1.7300000 | 1.5053318 | 0.01 | -12.99 | 50.00 | AVRG |
| Benzo(a)pyrene | 1.5360000 | 1.5537237 | 0.01 | 1.15 | 20.00 | AVRG |
| Indeno(1,2,3-cd)pyrene | 1.4840000 | 1.7577786 | 0.01 | 18.45 | 50.00 | AVRG |
| Dibenzo(a,h)anthracene | 1.4070000 | 1.5971277 | 0.01 | 13.51 | 50.00 | AVRG |
| Benzo(g,h,i)perylene | 1.4260000 | 1.6117436 | 0.01 | 13.02 | 50.00 | AVRG |
| 2-Fluorophenol | 1.5830000 | 1.5078525 | 0.01 | -4.75 | 50.00 | AVRG |
| Phenol-d5 | 1.8140000 | 1.9594082 | 0.01 | 8.02 | 50.00 | AVRG |
| Nitrobenzene-d5 | 0.5440000 | 0.5017527 | 0.01 | -7.77 | 50.00 | AVRG |
| 2-Fluorobiphenyl | 1.3700000 | 1.3772466 | 0.01 | 0.53 | 50.00 | AVRG |
| 2,4,6-Tribromophenol | 0.3780000 | 0.4168169 | 0.01 | 10.27 | 50.00 | AVRG |
| Terphenyl-d14 | 1.0500000 | 1.0567551 | 0.01 | 0.64 | 50.00 | AVRG |

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Lab File ID: DF021218A64

DFTPP Injection Date: 12/18/02

Instrument ID: 5972HP64

DFTPP Injection Time: 0936

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 80.0% of mass 198 | 45.7 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 60.2 |
| 70 | Less than 2.0% of mass 69 | 0.2 (0.3)1 |
| 127 | 25.0 - 75.0% of mass 198 | 43.7 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.7 |
| 275 | 10.0 - 30.0% of mass 198 | 21.3 |
| 365 | Greater than 0.75% of mass 198 | 2.45 |
| 441 | Present, but less than mass 443 | 10.8 |
| 442 | 40.0 - 110.0% of mass 198 | 73.1 |
| 443 | 15.0 - 24.0% of mass 442 | 14.4 (19.7)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD080 | SSTD080 | HG021218A64 | 12/18/02 | 0957 |
| 02 | SCJLCS | WG21883-2 | WG21883-2A64 | 12/18/02 | 1547 |
| 03 | SS-MW09-0 | Q2812-14 | Q2812-14A64 | 12/18/02 | 1622 |
| 04 | SS-MW09-1 | Q2812-15 | Q2812-15A64 | 12/18/02 | 1657 |
| 05 | SS-MW09-4 | Q2812-16 | Q2812-16A64 | 12/18/02 | 1733 |
| 06 | SBLKCJ | WG21883-1 | WG21883-1JA64 | 12/18/02 | 2028 |
| 07 | | | | | |
| 08 | | | | | |
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| 10 | | | | | |
| 11 | | | | | |
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| 22 | | | | | |

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2812

Instrument ID: 5972HP64

Calibration Date: 12/18/02

Time: 0957

Lab File ID: HG021218A64

Init. Calib. Date(s): 12/17/02

12/17/02

Init. Calib. Times: 1842

2137

GC Column: RTX-5MS

ID: 0.32 (mm)

| COMPOUND | RRF OR AMOUNT | RRF80.000 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|-----------------------------|------------------|---------------------------|------------|-----------------|---------------------|--------------|
| N-Nitrosodiphenylamine | 0.5850000 | 0.5661677 | 0.01 | -3.22 | 20.00 | AVRG |
| 4-Bromophenyl-phenylether | 0.2990000 | 0.2839196 | 0.01 | -5.04 | 50.00 | AVRG |
| Hexachlorobenzene | 0.3330000 | 0.3252588 | 0.01 | -2.32 | 50.00 | AVRG |
| Atrazine | 0.1160000 | 0.0336338 | 0.01 | -71.00 | 50.00 | AVRG <- |
| Pentachlorophenol | 0.1850000 | 0.1651244 | 0.05 | -10.74 | 20.00 | AVRG |
| Phenanthrene | 1.1590000 | 1.1151199 | 0.01 | -3.79 | 50.00 | AVRG |
| Anthracene | 1.1510000 | 1.1272239 | 0.01 | -2.06 | 50.00 | AVRG |
| Carbazole | 1.0240000 | 1.0448772 | 0.01 | 2.04 | 50.00 | AVRG |
| Di-n-butylphthalate | 1.7210000 | 1.7048417 | 0.01 | -0.94 | 50.00 | AVRG |
| Fluoranthene | 1.3760000 | 1.3690471 | 0.01 | -0.50 | 20.00 | AVRG |
| Pyrene | 1.4170000 | 1.4420494 | 0.01 | 1.77 | 50.00 | AVRG |
| Butylbenzylphthalate | 0.8000000 | 0.8027406 | 0.01 | 0.34 | 50.00 | AVRG |
| 3,3'-Dichlorobenzidine | 0.4430000 | 0.4586147 | 0.01 | 3.52 | 50.00 | AVRG |
| bis(2-ethylhexyl) Phthalate | 1.0400000 | 1.0306035 | 0.01 | -0.90 | 50.00 | AVRG |
| Benzo(a)anthracene | 1.3370000 | 1.3364800 | 0.01 | -0.04 | 50.00 | AVRG |
| Chrysene | 1.2040000 | 1.1782510 | 0.01 | -2.14 | 50.00 | AVRG |
| Di-n-octylphthalate | 2.5580000 | 2.5399832 | 0.01 | -0.70 | 20.00 | AVRG |
| Benzo(b)fluoranthene | 1.7420000 | 1.7252572 | 0.01 | -0.96 | 50.00 | AVRG |
| Benzo(k)fluoranthene | 1.6930000 | 1.7783411 | 0.01 | 5.04 | 50.00 | AVRG |
| Benzo(a)pyrene | 1.5570000 | 1.5526594 | 0.01 | -0.28 | 20.00 | AVRG |
| Indeno(1,2,3-cd)pyrene | 1.5310000 | 1.5032925 | 0.01 | -1.81 | 50.00 | AVRG |
| Dibenzo(a,h)anthracene | 1.4120000 | 1.4058304 | 0.01 | -0.44 | 50.00 | AVRG |
| Benzo(g,h,i)perylene | 1.4410000 | 1.3710080 | 0.01 | -4.86 | 50.00 | AVRG |
| 2-Fluorophenol | 1.3700000 | 1.3403501 | 0.01 | -2.16 | 50.00 | AVRG |
| Phenol-d5 | 1.7810000 | 1.7549808 | 0.01 | -1.46 | 50.00 | AVRG |
| Nitrobenzene-d5 | 0.5380000 | 0.5257480 | 0.01 | -2.28 | 50.00 | AVRG |
| 2-Fluorobiphenyl | 1.5390000 | 1.5299045 | 0.01 | -0.59 | 50.00 | AVRG |
| 2,4,6-Tribromophenol | 0.4010000 | 0.4022837 | 0.01 | 0.32 | 50.00 | AVRG |
| Terphenyl-d14 | 1.0730000 | 1.0897739 | 0.01 | 1.56 | 50.00 | AVRG |

CompuChem

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501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG Q2812 PROTOCOL: SW-846

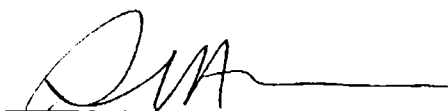
SAMPLE IDENTIFICATIONS: SS-MW09-0, SS-MW09-1, SS-MW09-4, SSMW07-0, SSMW07-1, SSMW07-4, SSMW08-0, SSMW08-1, SSMW08-4, SSMW10-0, SSMW10-4, SSMW10D-4, SSMW11-1, SSMW11-4, SSMW11D-1, SSMW11D-4

The 16 soil samples listed above were scheduled for the requested analyses of the Pest/PCB fraction. SW-846, 3rd Edition, Update 3, Methods 3550C and 8081A/8082 were used to analyze these samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG Q2812 are included in the sample data sections.

Analysis holding time requirements were met for all of these samples. Target compounds were identified above the Contract Required Quantitation Limit (CRQL) in a few of these samples. Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

The associated method blanks met all quality control criteria. With the exception of three outliers high for single component pesticides, the associated Laboratory Control Samples (LCS) met all accuracy criteria. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. With the exception of DBC in samples SSMW10D-4, SSMW08-0, SSMW08-1, SSMW08-1 and SSMW11D-4, all of the system monitoring compounds met recovery criteria in the analyses of these samples. SSMW10-0 was used to prepare the duplicate matrix spikes and met all QC criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Richard M. Henson
Technical Director
December 23, 2002

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| | EPA SAMPLE NO. | S1 1 %REC # | S1 2 %REC # | TCX 1 %REC # | TCX 2 %REC # | OTHER (1) | OTHER (2) | TOT OUT |
|----|-------------------|----------------|----------------|-----------------|-----------------|--------------|--------------|------------|
| 01 | PBLKAB | 93 | 105 | 83 | 86 | | | 0 |
| 02 | PCBLCSAB | 130 | 104 | 92 | 119 | | | 0 |
| 03 | SSMW10-OMS | 92 | 93 | 88 | 87 | | | 0 |
| 04 | SSMW10-OMSD | 85 | 88 | 87 | 86 | | | 0 |
| 05 | SSMW10-0PCBM | 88 | 92 | 86 | 90 | | | 0 |
| 06 | SSMW10-0PCBM | 110 | 83 | 85 | 86 | | | 0 |
| 07 | SSMW07-0 | 57 | 76 | 110 | 105 | | | 0 |
| 08 | SSMW07-1 | 120 | 71 | 85 | 104 | | | 0 |
| 09 | SSMW07-4 | 77 | 90 | 88 | 96 | | | 0 |
| 10 | SSMW11-4 | 74 | 93 | 78 | 84 | | | 0 |
| 11 | SSMW11D-1 | 82 | 83 | 87 | 90 | | | 0 |
| 12 | SSMW10-0 | 93 | 94 | 91 | 95 | | | 0 |
| 13 | SSMW10-4 | 48 | 49 | 52 | 69 | | | 0 |
| 14 | SSMW10D-4 | 230 * | 177* | 91 | 98 | | | 2 |
| 15 | PBLKCL | 88 | 87 | 84 | 107 | | | 0 |
| 16 | PLCSCL | 100 | 102 | 130 | 94 | | | 0 |
| 17 | PCBLCSCL | 50 | 49 | 60 | 44 | | | 0 |
| 18 | SS-MW09-0 | 65 | 67 | 59 | 61 | | | 0 |
| 19 | SS-MW09-1 | 94 | 76 | 58 | 91 | | | 0 |
| 20 | SS-MW09-4 | 86 | 86 | 49 | 93 | | | 0 |
| 21 | PLCSAB | 82 | 82 | 100 | 68 | | | 0 |
| 22 | SSMW08-0 | 7800 * | 215* | 110 | 113 | | | 2 |
| 23 | SSMW08-1 | 150 * | 852* | 78 | 79 | | | 2 |
| 24 | SSMW08-4 | 410 * | 80 | 110 | 76 | | | 1 |
| 25 | SSMW11-1 | 93 | 177* | 81 | 80 | | | 1 |
| 26 | SSMW11D-4 | 260 * | 214* | 84 | 90 | | | 2 |
| 27 | | | | | | | | |
| 28 | | | | | | | | |
| 29 | | | | | | | | |
| 30 | | | | | | | | |

ADVISORY
QC LIMITS

S1 = Decachlorobiphenyl (DC (43-144)

S2 (TCX) = Tetrachloro-m-Xylene (43-135)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/07/02 12/08/02

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 21.2 2 ² | | | TCX: 4.38 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | PEMTP | 12/07/02 | 2235 | 21.22 | 4.38 |
| 02 | INDA1TP | 12/07/02 | 2306 | 21.21 | 4.38 |
| 03 | INDB1TP | 12/07/02 | 2337 | 21.22 | 4.38 |
| 04 | INDA2TP | 12/08/02 | 0008 | 21.21 | 4.38 |
| 05 | INDB2TP | 12/08/02 | 0039 | 21.22 | 4.38 |
| 06 | INDA3TP | 12/08/02 | 0110 | 21.21 | 4.37 |
| 07 | INDB3TP | 12/08/02 | 0141 | 21.22 | 4.38 |
| 08 | INDA4TP | 12/08/02 | 0212 | 21.23 | 4.38 |
| 09 | INDB4TP | 12/08/02 | 0243 | 21.22 | 4.38 |
| 10 | INDA5TP | 12/08/02 | 0314 | 21.23 | 4.38 |
| 11 | INDB5TP | 12/08/02 | 0345 | 21.22 | 4.38 |
| 12 | TOXAPH4TP | 12/08/02 | 0416 | 21.24 | 4.39 |
| 13 | CHLORO4TP | 12/08/02 | 0447 | 21.21 | 4.38 |
| 14 | AR16601TP | 12/08/02 | 0518 | 21.22 | 4.38 |
| 15 | AR16602TP | 12/08/02 | 0549 | 21.21 | 4.38 |
| 16 | AR16603TP | 12/08/02 | 0621 | 21.22 | 4.38 |
| 17 | AR16604TP | 12/08/02 | 0652 | 21.21 | 4.37 |
| 18 | AR16605TP | 12/08/02 | 0723 | 21.23 | 4.38 |
| 19 | AR12214TP | 12/08/02 | 0754 | 21.22 | 4.38 |
| 20 | AR12324TP | 12/08/02 | 0825 | 21.24 | 4.39 |
| 21 | AR12424TP | 12/08/02 | 0856 | 21.21 | 4.38 |
| 22 | AR12484TP | 12/08/02 | 0927 | 21.22 | 4.38 |
| 23 | AR12544TP | 12/08/02 | 0958 | 21.23 | 4.38 |
| ✓ 24 | PIBLKTW | 12/09/02 | 1027 | 21.23 | 4.39 |
| ✓ 25 | AR1660TX | 12/09/02 | 1059 | 21.25 | 4.40 |
| ✓ 26 | INDAMTX | 12/09/02 | 1130 | 21.24 | 4.39 |
| ✓ 27 | INDBMTX | 12/09/02 | 1201 | 21.25 | 4.39 |
| 28 | PBLKAB | 12/09/02 | 1654 | 21.23 | 4.39 |
| 29 | PCBLCSAB | 12/09/02 | 1754 | 21.24 | 4.39 |
| 30 | SSMW10-OMS | 12/09/02 | 1825 | 21.23 | 4.39 |
| 31 | SSMW10-OMSD | 12/09/02 | 1856 | 21.23 | 4.39 |
| 32 | SSMW10-OPCBM | 12/09/02 | 1927 | 21.23 | 4.38 |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/07/02 12/08/02

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | |
|--|-----------|-----------|----------|--------|-------|--|
| S1 : 21.2 2 ₂ | | TCX: 4.38 | | | | |
| EPA | LAB | DATE | TIME | S1 | TCX | |
| SAMPLE NO. | SAMPLE ID | ANALYZED | ANALYZED | RT # | RT # | |
| ===== | ===== | ===== | ===== | ===== | ===== | |
| 01 SSMW10-0PCBM | WG21774-7 | 12/09/02 | 1959 | 21.24 | 4.39 | |
| 02 PIBLKUE | PIBLKUE | 12/09/02 | 2101 | 21.23 | 4.39 | |
| ✓ 03 AR1660UF | AR1660UF | 12/09/02 | 2132 | 21.24 | 4.39 | |
| ✓ 04 INDAMUF | INDAMUF | 12/09/02 | 2203 | 21.24 | 4.39 | |
| ✓ 05 INDBMUF | INDBMUF | 12/09/02 | 2234 | 21.24 | 4.39 | |
| 06 SSMW07-0 | Q2812-1 | 12/09/02 | 2305 | 21.24 | 4.39 | |
| 07 SSMW07-1 | Q2812-2 | 12/09/02 | 2336 | 21.24 | 4.39 | |
| 08 SSMW07-4 | Q2812-3 | 12/10/02 | 0007 | 21.24 | 4.39 | |
| 09 ZZZZZ | ZZZZZ | 12/10/02 | 0038 | 21.18 | 4.38 | |
| 10 ZZZZZ | ZZZZZ | 12/10/02 | 0109 | 21.32* | 4.45 | |
| 11 ZZZZZ | ZZZZZ | 12/10/02 | 0140 | 21.30 | 4.43 | |
| 12 ZZZZZ | ZZZZZ | 12/10/02 | 0211 | 21.38* | 4.48* | |
| 13 SSMW11-4 | Q2812-8 | 12/10/02 | 0242 | 21.23 | 4.38 | |
| 14 SSMW11D-1 | Q2812-9 | 12/10/02 | 0313 | 21.23 | 4.38 | |
| 15 ZZZZZ | ZZZZZ | 12/10/02 | 0344 | 21.23 | 4.48* | |
| 16 PIBLKUG | PIBLKUG | 12/10/02 | 0447 | 21.27 | 4.40 | |
| ✓ 17 AR1660UH | AR1660UH | 12/10/02 | 0518 | 21.36* | 4.46* | |
| ✓ 18 INDAMUH | INDAMUH | 12/10/02 | 0549 | 21.23 | 4.38 | |
| ✓ 19 INDBMUH | INDBMUH | 12/10/02 | 0620 | 21.33* | 4.44 | |
| 20 ZZZZZ | ZZZZZ | 12/10/02 | 0651 | 21.36* | 4.47* | |
| 21 PIBLKUU | PIBLKUU | 12/12/02 | 0004 | 21.21 | 4.37 | |
| ✓ 22 AR1660UV | AR1660UV | 12/12/02 | 0035 | 21.22 | 4.38 | |
| ✓ 23 INDAMUV | INDAMUV | 12/12/02 | 0105 | 21.21 | 4.37 | |
| ✓ 24 INDBMUV | INDBMUV | 12/12/02 | 0136 | 21.21 | 4.37 | |
| 25 ZZZZZ P ₁ mu ₁ ✓ | ZZZZZ | 12/12/02 | 0207 | 21.21 | 4.37 | |
| 26 PBLKSC | PBLKSC | 12/12/02 | 0238 | 21.22 | 4.38 | |
| 27 SSMW10-0 | Q2812-11 | 12/12/02 | 0309 | 21.23 | 4.37 | |
| 28 SSMW10-4 | Q2812-12 | 12/12/02 | 0340 | 21.22 | 4.37 | |
| 29 SSMW10D-4 | Q2812-13 | 12/12/02 | 0410 | 21.23 | 4.37 | |
| 30 PIBLKUW | PIBLKUW | 12/12/02 | 0614 | 21.23 | 4.38 | |
| ✓ 31 AR1660UX | AR1660UX | 12/12/02 | 0829 | 21.23 | 4.39 | |
| ✓ 32 INDAMUX | INDAMUX | 12/12/02 | 0857 | 21.23 | 4.38 | |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES))

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/07/02 12/08/02

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 21.2 7 2 | | | TCX: 4.38 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| ===== | ===== | ===== | ===== | ===== | ===== |
| ✓ 01 INDBMUX | INDBMUX | 12/12/02 | 0928 | 21.23 | 4.38 |
| 02 | | | | | |
| 03 | | | | | |
| 04 | | | | | |
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QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/07/02 12/08/02

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 24.65 | | | TCX: 5.57 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | PEMTP | 12/07/02 | 2235 | 24.65 | 5.57 |
| 02 | INDA1TP | 12/07/02 | 2306 | 24.64 | 5.57 |
| 03 | INDB1TP | 12/07/02 | 2337 | 24.65 | 5.57 |
| 04 | INDA2TP | 12/08/02 | 0008 | 24.64 | 5.57 |
| 05 | INDB2TP | 12/08/02 | 0039 | 24.64 | 5.57 |
| 06 | INDA3TP | 12/08/02 | 0110 | 24.64 | 5.57 |
| 07 | INDB3TP | 12/08/02 | 0141 | 24.64 | 5.57 |
| 08 | INDA4TP | 12/08/02 | 0212 | 24.66 | 5.58 |
| 09 | INDB4TP | 12/08/02 | 0243 | 24.64 | 5.57 |
| 10 | INDA5TP | 12/08/02 | 0314 | 24.65 | 5.57 |
| 11 | INDB5TP | 12/08/02 | 0345 | 24.64 | 5.57 |
| 12 | TOXAPH4TP | 12/08/02 | 0416 | 24.66 | 5.58 |
| 13 | CHLORO4TP | 12/08/02 | 0447 | 24.64 | 5.57 |
| 14 | AR16601TP | 12/08/02 | 0518 | 24.64 | 5.57 |
| 15 | AR16602TP | 12/08/02 | 0549 | 24.64 | 5.57 |
| 16 | AR16603TP | 12/08/02 | 0621 | 24.65 | 5.57 |
| 17 | AR16604TP | 12/08/02 | 0652 | 24.64 | 5.56 |
| 18 | AR16605TP | 12/08/02 | 0723 | 24.65 | 5.57 |
| 19 | AR12214TP | 12/08/02 | 0754 | 24.64 | 5.57 |
| 20 | AR12324TP | 12/08/02 | 0825 | 24.66 | 5.58 |
| 21 | AR12424TP | 12/08/02 | 0856 | 24.63 | 5.57 |
| 22 | AR12484TP | 12/08/02 | 0927 | 24.64 | 5.57 |
| 23 | AR12544TP | 12/08/02 | 0958 | 24.65 | 5.58 |
| 24 | PIBLKTX | 12/09/02 | 1027 | 24.66 | 5.58 |
| 25 | AR1660TX | 12/09/02 | 1059 | 24.67 | 5.59 |
| 26 | INDAMTX | 12/09/02 | 1130 | 24.66 | 5.59 |
| 27 | INDBMTX | 12/09/02 | 1201 | 24.67 | 5.59 |
| 28 | PBLKAB | 12/09/02 | 1654 | 24.64 | 5.57 |
| 29 | PCBLCSAB | 12/09/02 | 1754 | 24.66 | 5.58 |
| 30 | SSMW10-OMS | 12/09/02 | 1825 | 24.65 | 5.58 |
| 31 | SSMW10-OMSD | 12/09/02 | 1856 | 24.66 | 5.58 |
| 32 | SSMW10-OPCBM | 12/09/02 | 1927 | 24.65 | 5.58 |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/07/02 12/08/02

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | | |
|--|-------------------------|------------------|------------------|-----------|--------|-----------|---|
| S1 : 24.65 | | | | TCX: 5.57 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT | # | TCX RT | # |
| 01 | SSMW10-0PCBM | WG21774-7 | 12/09/02 | 1959 | 24.66 | 5.58 | |
| 02 | PIBLKUF | PIBLKUF | 12/09/02 | 2101 | 24.66 | 5.58 | |
| 03 | AR1660UF | AR1660UF | 12/09/02 | 2132 | 24.66 | 5.58 | |
| 04 | INDAMUF | INDAMUF | 12/09/02 | 2203 | 24.66 | 5.58 | |
| 05 | INDBMUF | INDBMUF | 12/09/02 | 2234 | 24.66 | 5.58 | |
| 06 | SSMW07-0 | Q2812-1 | 12/09/02 | 2305 | 24.66 | 5.58 | |
| 07 | SSMW07-1 | Q2812-2 | 12/09/02 | 2336 | 24.66 | 5.58 | |
| 08 | SSMW07-4 | Q2812-3 | 12/10/02 | 0007 | 24.64 | 5.58 | |
| 09 | ZZZZZ | ZZZZZ | 12/10/02 | 0038 | 24.65 | 5.57 | |
| 10 | ZZZZZ | ZZZZZ | 12/10/02 | 0109 | 24.74* | 5.64* | |
| 11 | ZZZZZ | ZZZZZ | 12/10/02 | 0140 | 24.72* | 5.62 | |
| 12 | ZZZZZ | ZZZZZ | 12/10/02 | 0211 | 24.80* | 5.68* | |
| 13 | SSMW11-4 | Q2812-8 | 12/10/02 | 0242 | 24.65 | 5.57 | |
| 14 | SSMW11D-1 | Q2812-9 | 12/10/02 | 0313 | 24.64 | 5.57 | |
| 15 | ZZZZZ | ZZZZZ | 12/10/02 | 0344 | 24.80* | 5.68* | |
| 16 | PIBLKUH | PIBLKUH | 12/10/02 | 0447 | 24.69 | 5.59 | |
| 17 | AR1660UH | AR1660UH | 12/10/02 | 0518 | 24.78* | 5.66* | |
| 18 | INDAMUH | INDAMUH | 12/10/02 | 0549 | 24.64 | 5.57 | |
| 19 | INDBMUH | INDBMUH | 12/10/02 | 0620 | 24.75* | 5.63 | |
| 20 | ZZZZZ | ZZZZZ | 12/10/02 | 0651 | 24.80* | 5.67* | |
| 21 | PIBLKUV | PIBLKUV | 12/12/02 | 0004 | 24.64 | 5.56 | |
| 22 | AR1660UV | AR1660UV | 12/12/02 | 0035 | 24.65 | 5.57 | |
| 23 | INDAMUV | INDAMUV | 12/12/02 | 0105 | 24.64 | 5.56 | |
| 24 | INDBMUV | INDBMUV | 12/12/02 | 0136 | 24.64 | 5.56 | |
| 25 | ZZZZZ PBLKSC | ZZZZZ | 12/12/02 | 0207 | 24.64 | 5.56 | |
| 26 | PBLKSC | PBLKSC | 12/12/02 | 0238 | 24.64 | 5.57 | |
| 27 | SSMW10-0 | Q2812-11 | 12/12/02 | 0309 | 24.65 | 5.57 | |
| 28 | SSMW10-4 | Q2812-12 | 12/12/02 | 0340 | 24.64 | 5.56 | |
| 29 | SSMW10D-4 | Q2812-13 | 12/12/02 | 0410 | 24.65 | 5.57 | |
| 30 | PIBLKUX | PIBLKUX | 12/12/02 | 0614 | 24.65 | 5.57 | |
| 31 | AR1660UX | AR1660UX | 12/12/02 | 0829 | 24.66 | 5.57 | |
| 32 | INDAMUX | INDAMUX | 12/12/02 | 0857 | 24.65 | 5.57 | |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/07/02 12/08/02

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 24.65 | | | TCX: 5.57 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| ===== | ===== | ===== | ===== | ===== | ===== |
| 01 INDBMUX | INDBMUX | 12/12/02 | 0928 | 24.66 | 5.58 |
| 02 | | | | | |
| 03 | | | | | |
| 04 | | | | | |
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| 32 | | | | | |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/12/02 12/13/02

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | | |
|--|------------------|------------------|------------------|-----------|-------|-----------|-------|
| S1 : 17.31 | | | | TCX: 3.99 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT | # | TCX RT | # |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 01 PEMVL | PEMVL | 12/12/02 | 1459 | 17.32 | | 3.99 | |
| 02 INDA1VL | INDA1VL | 12/12/02 | 1527 | 17.32 | | 4.00 | |
| 03 INDB1VL | INDB1VL | 12/12/02 | 1555 | 17.32 | | 4.00 | |
| 04 INDA2VL | INDA2VL | 12/12/02 | 1624 | 17.32 | | 4.00 | |
| 05 INDB2VL | INDB2VL | 12/12/02 | 1652 | 17.32 | | 4.00 | |
| 06 INDA3VL | INDA3VL | 12/12/02 | 1720 | 17.32 | | 4.00 | |
| 07 INDB3VL | INDB3VL | 12/12/02 | 1748 | 17.32 | | 4.00 | |
| 08 INDA4VL | INDA4VL | 12/12/02 | 1816 | 17.31 | | 3.99 | |
| 09 INDB4VL | INDB4VL | 12/12/02 | 1844 | 17.31 | | 3.99 | |
| 10 INDA5VL | INDA5VL | 12/12/02 | 1913 | 17.32 | | 4.00 | |
| 11 INDB5VL | INDB5VL | 12/12/02 | 1941 | 17.32 | | 4.00 | |
| 12 TOXAPH4VL | TOXAPH4VL | 12/12/02 | 2009 | 17.32 | | 3.99 | |
| 13 CHLORO4VL | CHLORO4VL | 12/12/02 | 2037 | 17.32 | | 3.99 | |
| 14 AR16601VL | AR16601VL | 12/12/02 | 2105 | 17.32 | | 3.99 | |
| 15 AR16602VL | AR16602VL | 12/12/02 | 2133 | 17.32 | | 4.00 | |
| 16 AR16603VL | AR16603VL | 12/12/02 | 2202 | 17.32 | | 4.00 | |
| 17 AR16604VL | AR16604VL | 12/12/02 | 2230 | 17.32 | | 4.00 | |
| 18 AR16605VL | AR16605VL | 12/12/02 | 2258 | 17.32 | | 3.99 | |
| 19 AR12214VL | AR12214VL | 12/12/02 | 2326 | 17.32 | | 4.00 | |
| 20 AR12324VL | AR12324VL | 12/12/02 | 2354 | 17.32 | | 4.00 | |
| 21 AR12424VL | AR12424VL | 12/13/02 | 0022 | 17.32 | | 4.00 | |
| 22 AR12484VL | AR12484VL | 12/13/02 | 0050 | 17.32 | | 4.00 | |
| 23 AR12544VL | AR12544VL | 12/13/02 | 0119 | 17.32 | | 4.00 | |
| 24 PIBLKVW | PIBLKVW | 12/13/02 | 1132 | 17.34 | | 4.02 | |
| 25 AR1660VX | AR1660VX | 12/13/02 | 1200 | 17.34 | | 4.03 | |
| 26 INDAMVX | INDAMVX | 12/13/02 | 1228 | 17.35 | | 4.03 | |
| 27 INDBMVX | INDBMVX | 12/13/02 | 1256 | 17.35 | | 4.03 | |
| 28 ZZZZZ PEMV X | ZZZZZ | 12/13/02 | 1325 | 17.35 | | 4.03 | |
| 29 PBLKCL | WG21887-1 | 12/13/02 | 1537 | 17.36 | | 4.03 | |
| 30 PLCSCL | WG21887-2 | 12/13/02 | 1604 | 17.36 | | 4.04 | |
| 31 PCBLCSCl | WG21887-3 | 12/13/02 | 1632 | 17.36 | | 4.04 | |
| 32 SS-MW09-0 | Q2812-14 | 12/13/02 | 1700 | 17.36 | | 4.04 | |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES))

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST

ID: 0.53 (mm) Init. Calib. Date(s): 12/12/02 12/13/02

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 17.31 | | | TCX: 3.99 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| ===== | ===== | ===== | ===== | ===== | ===== |
| 01 SS-MW09-1 | Q2812-15 | 12/13/02 | 1728 | 17.36 | 4.05 |
| 02 SS-MW09-4 | Q2812-16 | 12/13/02 | 1756 | 17.37 | 4.05 |
| 03 PIBLKVY | PIBLKVY | 12/13/02 | 1853 | 17.36 | 4.04 |
| 04 AR1660VZ | AR1660VZ | 12/13/02 | 1921 | 17.37 | 4.04 |
| 05 INDAMVZ | INDAMVZ | 12/13/02 | 1949 | 17.37 | 4.05 |
| 06 INDBMVZ | INDBMVZ | 12/13/02 | 2017 | 17.37 | 4.05 |
| 07 | | | | | |
| 08 | | | | | |
| 09 | | | | | |
| 10 | | | | | |
| 11 | | | | | |
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QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/12/02 12/13/02

Instrument ID: TRACEGC83

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|-------------------------------------|------------------|------------------|------------|-------------|
| S1 : 19.66 | | | TCX: 4.84 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | PEMVL | 12/12/02 | 1459 | 19.66 | 4.84 |
| 02 | INDA1VL | 12/12/02 | 1527 | 19.66 | 4.84 |
| 03 | INDB1VL | 12/12/02 | 1555 | 19.66 | 4.84 |
| 04 | INDA2VL | 12/12/02 | 1624 | 19.66 | 4.84 |
| 05 | INDB2VL | 12/12/02 | 1652 | 19.66 | 4.84 |
| 06 | INDA3VL | 12/12/02 | 1720 | 19.66 | 4.84 |
| 07 | INDB3VL | 12/12/02 | 1748 | 19.66 | 4.84 |
| 08 | INDA4VL | 12/12/02 | 1816 | 19.66 | 4.84 |
| 09 | INDB4VL | 12/12/02 | 1844 | 19.66 | 4.84 |
| 10 | INDA5VL | 12/12/02 | 1913 | 19.66 | 4.84 |
| 11 | INDB5VL | 12/12/02 | 1941 | 19.66 | 4.84 |
| 12 | TOXAPH4VL | 12/12/02 | 2009 | 19.66 | 4.84 |
| 13 | CHLORO4VL | 12/12/02 | 2037 | 19.66 | 4.84 |
| 14 | AR16601VL | 12/12/02 | 2105 | 19.66 | 4.84 |
| 15 | AR16602VL | 12/12/02 | 2133 | 19.66 | 4.84 |
| 16 | AR16603VL | 12/12/02 | 2202 | 19.66 | 4.84 |
| 17 | AR16604VL | 12/12/02 | 2230 | 19.66 | 4.84 |
| 18 | AR16605VL | 12/12/02 | 2258 | 19.66 | 4.84 |
| 19 | AR12214VL | 12/12/02 | 2326 | 19.66 | 4.84 |
| 20 | AR12324VL | 12/12/02 | 2354 | 19.66 | 4.84 |
| 21 | AR12424VL | 12/13/02 | 0022 | 19.66 | 4.84 |
| 22 | AR12484VL | 12/13/02 | 0050 | 19.66 | 4.84 |
| 23 | AR12544VL | 12/13/02 | 0119 | 19.66 | 4.84 |
| 24 | PIBLKVX | 12/13/02 | 1132 | 19.67 | 4.86 |
| 25 | AR1660VX | 12/13/02 | 1200 | 19.68 | 4.87 |
| 26 | INDAMVX | 12/13/02 | 1228 | 19.68 | 4.87 |
| 27 | INDBMVX | 12/13/02 | 1256 | 19.69 | 4.88 |
| 28 | ZZZZZ P ₁ MVX | 12/13/02 | 1325 | 19.69 | 4.88 |
| 29 | PBLKCL | 12/13/02 | 1537 | 19.70 | 4.87 |
| 30 | PLCSCL | 12/13/02 | 1604 | 19.70 | 4.88 |
| 31 | PCBLCSCCL | 12/13/02 | 1632 | 19.70 | 4.89 |
| 32 | SS-MW09-0 | 12/13/02 | 1700 | 19.70 | 4.89 |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/12/02 12/13/02

Instrument ID: TRACEGC83

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 19.66 | | | TCX: 4.84 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | SS-MW09-1 | Q2812-15 | 12/13/02 | 1728 | 19.70 4.89 |
| 02 | SS-MW09-4 | Q2812-16 | 12/13/02 | 1756 | 19.71 4.90 |
| 03 | PIBLKVZ | PIBLKVZ | 12/13/02 | 1853 | 19.70 4.89 |
| 04 | AR1660VZ | AR1660VZ | 12/13/02 | 1921 | 19.70 4.89 |
| 05 | INDAMVZ | INDAMVZ | 12/13/02 | 1949 | 19.71 4.89 |
| 06 | INDBMVZ | INDBMVZ | 12/13/02 | 2017 | 19.70 4.89 |
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QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST

ID: 0.53 (mm) Init. Calib. Date(s): 12/18/02 12/18/02

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 21.27 | | | TCX: 4.40 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 ZZZZZ PEXV | ZZZZZ | 12/18/02 | 1201 | 21.28 | 4.41 |
| 02 INDA1XV | INDA1XV | 12/18/02 | 1232 | 21.27 | 4.40 |
| 03 INDB1XV | INDB1XV | 12/18/02 | 1303 | 21.27 | 4.41 |
| 04 INDA2XV | INDA2XV | 12/18/02 | 1334 | 21.27 | 4.40 |
| 05 INDB2XV | INDB2XV | 12/18/02 | 1405 | 21.27 | 4.41 |
| 06 INDA3XV | INDA3XV | 12/18/02 | 1435 | 21.26 | 4.40 |
| 07 INDB3XV | INDB3XV | 12/18/02 | 1506 | 21.27 | 4.41 |
| 08 INDA4XV | INDA4XV | 12/18/02 | 1537 | 21.28 | 4.41 |
| 09 INDB4XV | INDB4XV | 12/18/02 | 1608 | 21.27 | 4.40 |
| 10 INDA5XV | INDA5XV | 12/18/02 | 1639 | 21.27 | 4.40 |
| 11 INDB5XV | INDB5XV | 12/18/02 | 1709 | 21.26 | 4.40 |
| 12 TOXAPH4XV | TOXAPH4XV | 12/18/02 | 1740 | 21.28 | 4.41 |
| 13 CHLORO4XV | CHLORO4XV | 12/18/02 | 1811 | 21.26 | 4.40 |
| 14 AR16601XV | AR16601XV | 12/18/02 | 1842 | 21.26 | 4.40 |
| 15 AR16602XV | AR16602XV | 12/18/02 | 1913 | 21.26 | 4.40 |
| 16 AR16603XV | AR16603XV | 12/18/02 | 1944 | 21.27 | 4.40 |
| 17 AR16604XV | AR16604XV | 12/18/02 | 2015 | 21.26 | 4.40 |
| 18 AR16605XV | AR16605XV | 12/18/02 | 2045 | 21.27 | 4.40 |
| 19 AR12214XV | AR12214XV | 12/18/02 | 2116 | 21.25 | 4.40 |
| 20 AR12324XV | AR12324XV | 12/18/02 | 2147 | 21.26 | 4.40 |
| 21 AR12424XV | AR12424XV | 12/18/02 | 2218 | 21.25 | 4.39 |
| 22 AR12484XV | AR12484XV | 12/18/02 | 2249 | 21.26 | 4.40 |
| 23 AR12544XV | AR12544XV | 12/18/02 | 2320 | 21.27 | 4.40 |
| 24 PIBLKYM | PIBLKMYN | 12/19/02 | 2013 | 21.23 | 4.37 |
| ✓25 AR1660YN | AR1660YN | 12/19/02 | 2044 | 21.24 | 4.38 |
| ✓26 INDAMYN | INDAMYN | 12/19/02 | 2115 | 21.22 | 4.37 |
| ✓27 INDBMYN | INDBMYN | 12/19/02 | 2146 | 21.23 | 4.38 |
| 28 ZZZZZ PEXYN | ZZZZZ | 12/19/02 | 2217 | 21.22 | 4.37 |
| 29 PLCSAB | WG21774-2 | 12/19/02 | 2328 | 21.22 | 4.38 |
| 30 SSMW08-0 | Q2812-4 | 12/20/02 | 0000 | 21.25 | 4.37 |
| 31 SSMW08-1 | Q2812-5 | 12/20/02 | 0031 | 21.24 | 4.37 |
| 32 SSMW08-4 | Q2812-6 | 12/20/02 | 0102 | 21.24 | 4.37 |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES))

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/18/02 12/18/02

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 21.27 | | | TCX: 4.40 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 SSMW11-1 | Q2812-7 | 12/20/02 | 0133 | 21.23 | 4.37 |
| 02 SSMW11D-4 | Q2812-10 | 12/20/02 | 0204 | 21.23 | 4.37 |
| 03 PIBLKYO | PIBLKYO | 12/20/02 | 0305 | 21.22 | 4.37 |
| 04 AR1660YR | AR1660YR | 12/20/02 | 0336 | 21.22 | 4.37 |
| 05 INDAMYR | INDAMYR | 12/20/02 | 0407 | 21.23 | 4.37 |
| 06 INDBMYR | INDBMYR | 12/20/02 | 0438 | 21.21 | 4.37 |
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QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/18/02 12/18/02

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------------|------------------|------------------|------------|-------------|
| S1 : 24.72 69 | | TCX: 5.59 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | ZZZZZ | 12/18/02 | 1201 | 24.70 | 5.60 |
| 02 | INDA1XV | 12/18/02 | 1232 | 24.68 | 5.59 |
| 03 | INDB1XV | 12/18/02 | 1303 | 24.69 | 5.60 |
| 04 | INDA2XV | 12/18/02 | 1334 | 24.68 | 5.59 |
| 05 | INDB2XV | 12/18/02 | 1405 | 24.69 | 5.60 |
| 06 | INDA3XV | 12/18/02 | 1435 | 24.68 | 5.59 |
| 07 | INDB3XV | 12/18/02 | 1506 | 24.69 | 5.60 |
| 08 | INDA4XV | 12/18/02 | 1537 | 24.70 | 5.60 |
| 09 | INDB4XV | 12/18/02 | 1608 | 24.68 | 5.59 |
| 10 | INDA5XV | 12/18/02 | 1639 | 24.70 | 5.59 |
| 11 | INDB5XV | 12/18/02 | 1709 | 24.68 | 5.59 |
| 12 | TOXAPH4XV | 12/18/02 | 1740 | 24.70 | 5.60 |
| 13 | CHLORO4XV | 12/18/02 | 1811 | 24.68 | 5.59 |
| 14 | AR16601XV | 12/18/02 | 1842 | 24.68 | 5.59 |
| 15 | AR16602XV | 12/18/02 | 1913 | 24.68 | 5.59 |
| 16 | AR16603XV | 12/18/02 | 1944 | 24.69 | 5.59 |
| 17 | AR16604XV | 12/18/02 | 2015 | 24.68 | 5.59 |
| 18 | AR16605XV | 12/18/02 | 2045 | 24.69 | 5.59 |
| 19 | AR12214XV | 12/18/02 | 2116 | 24.68 | 5.59 |
| 20 | AR12324XV | 12/18/02 | 2147 | 24.68 | 5.59 |
| 21 | AR12424XV | 12/18/02 | 2218 | 24.67 | 5.58 |
| 22 | AR12484XV | 12/18/02 | 2249 | 24.68 | 5.59 |
| 23 | AR12544XV | 12/18/02 | 2320 | 24.69 | 5.59 |
| 24 | PIBLKYN | 12/19/02 | 2013 | 24.64 | 5.55 |
| 25 | AR1660YN | 12/19/02 | 2044 | 24.65 | 5.56 |
| 26 | INDAMYN | 12/19/02 | 2115 | 24.63 | 5.55 |
| 27 | INDBMYN | 12/19/02 | 2146 | 24.64 | 5.56 |
| 28 | ZZZZZ PIMYN | 12/19/02 | 2217 | 24.63 | 5.55 |
| 29 | PLCSAB | 12/19/02 | 2328 | 24.62 | 5.54 |
| 30 | SSMW08-0 | 12/20/02 | 0000 | 24.58* | 5.55 |
| 31 | SSMW08-1 | 12/20/02 | 0031 | 24.64 | 5.55 |
| 32 | SSMW08-4 | 12/20/02 | 0102 | 24.63 | 5.55 |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/18/02 12/18/02

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | |
|--|------------------|------------------|------------------|------------|-------------|------|
| S1 : 24.70 69 | | | TCX: 5.59 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # | |
| ===== | ===== | ===== | ===== | ===== | ===== | |
| 01 | SSMW11-1 | Q2812-7 | 12/20/02 | 0133 | 24.64 | 5.55 |
| 02 | SSMW11D-4 | Q2812-10 | 12/20/02 | 0204 | 24.61* | 5.55 |
| 03 | PIBLKYR | PIBLKYR | 12/20/02 | 0305 | 24.62✓ | 5.55 |
| 04 | AR1660YR | AR1660YR | 12/20/02 | 0336 | 24.62✗ | 5.55 |
| 05 | INDAMYR | INDAMYR | 12/20/02 | 0407 | 24.63 | 5.55 |
| 06 | INDBMYR | INDBMYR | 12/20/02 | 0438 | 24.62✓ | 5.55 |
| 07 | | | | | | |
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3/25/03
2

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES))
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-MW09-0

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-14

Date(s) Analyzed: 12/13/02 12/13/02

Instrument ID (1): TRACEGC82

Instrument ID (2): TRACEGC83

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|----------|-----|-------|-----------|-------|---------------|-------|
| | | | FROM | TO | | |
| 4,4'-DDD | 1 | 11.83 | 11.82 | 11.96 | 2.7 | |
| | 2 | 13.72 | 13.68 | 13.81 | 0.55 | 132.3 |
| 4,4'-DDE | 1 | 10.50 | 10.38 | 10.53 | 1.7 | |
| | 2 | 12.34 | 12.26 | 12.39 | 1.6 | 6.1 |
| 4,4'-DDT | 1 | 12.60 | 12.48 | 12.62 | 3.0 | |
| | 2 | 14.52 | 14.41 | 14.55 | 8.8 | 98.3 |
| | 1 | | | | | |
| | 2 | | | | | |
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10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-MW09-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-16

Date(s) Analyzed: 12/13/02 12/13/02

Instrument ID (1): TRACEGC82

Instrument ID (2): TRACEGC83

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|----------|-----|-------|-----------|-------|---------------|-------|
| ===== | === | ===== | ===== | ===== | ===== | ===== |
| 4,4'-DDD | 1 | 11.83 | 11.82 | 11.96 | 3.5 | |
| | 2 | 13.73 | 13.68 | 13.81 | 6.4 | 58.6 |
| 4,4'-DDT | 1 | 12.49 | 12.48 | 12.62 | 7.3 | |
| | 2 | 14.48 | 14.41 | 14.55 | 5.1 | 35.5 |
| | 1 | | | | | |
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10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SSMW07-0

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-1

Date(s) Analyzed: 12/09/02 12/09/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53(mm)

GC Column(2): CLPEST2

ID: 0.53(mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|----------|-----|-------|-----------|-------|---------------|-------|
| ===== | === | ===== | ===== | ===== | ===== | ===== |
| 4,4'-DDT | 1 | 14.78 | 14.70 | 14.84 | 3.3 | |
| | 2 | 17.60 | 17.52 | 17.66 | 4.3 | 26.3 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
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10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SSMW08-0

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-4

Date(s) Analyzed: 12/20/02 12/20/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|---------------|-----|-------|-----------|-------|---------------|-------|
| | | | FROM | TO | | |
| Dieldrin | 1 | 12.62 | 12.56 | 12.70 | 5.9 | |
| | 2 | 14.92 | 14.86 | 15.00 | 27 | 128.3 |
| Endosulfan II | 1 | 14.01 | 13.98 | 14.12 | 5.0 | |
| | 2 | 16.67 | 16.56 | 16.70 | 18 | 113.0 |
| Endrin Ketone | 1 | 17.65 | 17.55 | 17.68 | 52 | |
| | 2 | 20.28 | 20.26 | 20.40 | 49 | 5.9 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SSMW08-1

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-5

Date(s) Analyzed: 12/20/02 12/20/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53(mm)

GC Column(2): CLPEST2

ID: 0.53(mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|---------|-----|-------|-----------|-------|---------------|-------|
| ===== | === | ===== | ===== | ===== | ===== | ===== |
| Aldrin | 1 | 8.85 | 8.73 | 8.87 | 0.40 | |
| | 2 | 10.85 | 10.82 | 10.96 | 0.98 | 84.0 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SSMW08-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-6

Date(s) Analyzed: 12/20/02 12/20/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE ===== | COL == | RT ===== | RT WINDOW | | CONCENTRATION ===== | RPD ===== |
|------------------|-----------|-------------|---------------|-------------|------------------------|--------------|
| | | | FROM ===== | TO ===== | | |
| 4,4'-DDD | 1 | 13.88 | 13.82 | 13.96 | 4.2 | |
| | 2 | 16.57 | 16.52 | 16.66 | 4.3 | 2.4 |
| Dieldrin | 1 | 12.62 | 12.56 | 12.70 | 2.6 | |
| | 2 | 14.94 | 14.86 | 15.00 | 16 | 144.1 |
| Endrin Ketone | 1 | 17.58 | 17.55 | 17.68 | 5.5 | |
| | 2 | 20.28 | 20.26 | 20.40 | 2.9 | 61.9 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SSMW10-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-12

Date(s) Analyzed: 12/12/02 12/12/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53(mm)

GC Column(2): CLPEST2

ID: 0.53(mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|----------|-------|-------|-----------|-------|---------------|-------|
| ===== | ===== | ===== | FROM | TO | ===== | ===== |
| 4,4'-DDT | 1 | 14.76 | 14.69 | 14.82 | 0.47 | |
| | 2 | 17.58 | 17.51 | 17.65 | 0.93 | 65.7 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SSMW10D-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-13

Date(s) Analyzed: 12/12/02 12/12/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE ===== | COL ===== | RT ===== | RT WINDOW | | CONCENTRATION ===== | RPD ===== |
|---------------------|--------------|-------------|---------------|-------------|------------------------|--------------|
| | | | FROM ===== | TO ===== | | |
| gamma-BHC (Lindane) | 1 | 6.58 | 6.54 | 6.68 | 0.37 | |
| | 2 | 8.54 | 8.46 | 8.60 | 0.31 | 17.6 |
| 4,4'-DDD | 1 | 13.89 | 13.80 | 13.94 | 0.40 | |
| | 2 | 16.60 | 16.51 | 16.65 | 0.42 | 4.9 |
| 4,4'-DDT | 1 | 14.77 | 14.69 | 14.82 | 1.5 | |
| | 2 | 17.59 | 17.51 | 17.65 | 3.0 | 66.7 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SSMW11D-1

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-9

Date(s) Analyzed: 12/10/02 12/10/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53(mm)

GC Column(2): CLPEST2

ID: 0.53(mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|----------|-------|-------|-----------|-------|---------------|-------|
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 4,4'-DDE | 1 | 12.01 | 11.93 | 12.07 | 1.5 | |
| | 2 | 14.70 | 14.63 | 14.77 | 1.6 | 6.4 |
| 4,4'-DDT | 1 | 14.77 | 14.70 | 14.84 | 1.2 | |
| | 2 | 17.58 | 17.52 | 17.66 | 1.7 | 34.5 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SSMW11D-4

Lab Name: COMPUCHEM

Contract: 8081A-8082

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: Q2812

Lab Sample ID: Q2812-10

Date(s) Analyzed: 12/20/02 12/20/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53(mm)

GC Column(2): CLPEST2

ID: 0.53(mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|----------|-----|-------|-----------|-------|---------------|-------|
| | | | FROM | TO | | |
| 4,4'-DDD | 1 | 13.88 | 13.82 | 13.96 | 0.71 | |
| | 2 | 16.57 | 16.52 | 16.66 | 0.88 | 21.4 |
| 4,4'-DDT | 1 | 14.76 | 14.69 | 14.83 | 0.42 | |
| | 2 | 17.56 | 17.50 | 17.64 | 1.3 | 102.3 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

CompuChem**a Division of Liberty Analytical Corp.**

501 Madison Avenue Cary, NC 27513

INORGANIC CASE SUMMARY NARRATIVE**SDG # Q2812****PROTOCOL # SW-846**

The indicated Sample Delivery Group (SDG) consisting of sixteen (16) soil samples was received into the laboratory management system (LIMS) on December 4 and 11, 2002 intact and in good condition with Chains of Custody (COC) records in order. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were analyzed for total TAL metals using analytical methods delineated in SW-846 (Third Edition)-Update III.

SAMPLE IDs:

Customer IDs and correlating laboratory IDs are listed on the cover page.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within SW-846 allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCSS & PBS) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

COMPUCHEM utilizes a soil Laboratory Control Sample (LCS) purchased from Environmental Resources Associates (ERA). With each lot of soil LCS material purchased, a certification document is included which provides Performance Acceptance Limits™ (PAL™). The limits are listed as guidelines for acceptable results and closely approximate the 95% confidence interval. As with any LCS, it is a QC measure used to demonstrate control and any results, which are outside the acceptance criteria, require corrective action up to and including redigesting and reanalyzing the entire sample preparation batch.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, CCN = WG22023-1 (SSMW10-0S) was found to be outside control limits for lead and thallium. The reported concentrations for these analytes are flagged with an "N" on all associated Form I and on Form 5a.

An "N" indicates a matrix-related interference in the sample preparation procedure &/or analysis for the flagged analyte. This is normally the consequence of a relatively high anionic content in the sample or (for some sediments) an inconsistent sample matrix relative to that analyte.

SW-846 control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more. In this case, affected analytes are not flagged even if recoveries are outside percentage recovery control limits.

Post-digestion spikes are mandatory for analytes demonstrating unsatisfactory matrix spike recoveries during ICP analysis (excluding silver). The results of such spikes are presented on Form 5b.

Unsatisfactory recovery of post-digestion spikes of this type do not have bearing upon the aforementioned "N" flags, but may indicate interference during analysis &/or a solution matrix which is hostile to the analyte in question.

Satisfactory recovery of an analyte in a post-digestion spike of this type implies interference by the required preparation procedure or in the sample matrix itself. Lack of uniformity for an analyte in sediments will also result in satisfactory recovery of post-digestion spikes after failure in the related matrix spike.

The sample matrix duplicate, CCN = WG22023-3 (SSMW10-0D) was inside control limits for the requested analytes.

SW-846 control limits for duplicate determinations are $\pm 20\%$ Relative Percent Difference (RPD) for concentrations greater than or equal to five times the PQL in both the original and duplicate samples, and \pm the PQL for concentrations less than five times the PQL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample, CCN = Q2812-11 (SSMW10-0L) was performed in accordance with SW-846 requirements for ICP analysis.

The adjusted sample concentrations were outside control limits for magnesium and zinc, which are flagged with an "E" on all associated Form 1, the Cover Page and Form 9.

An "E" indicates that a chemical or physical interference effect was encountered during the analysis of the flagged analyte. As a result of this interference, all values for the analyte in the same matrix must be considered to be estimated quantities.

SW-846 control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.



Thomas R. Cole
Data Reviewer II
December 19, 2002

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812AA CRDL Standard Source: HIPURICP CRDL Standard Source: HIPUR

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|-----------|------|-------|-------|-----------------------|------------------|---------------|----------------|-------------|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R |
| Aluminum | | | | 100.0 | 111.95 | 112.0 | | |
| Antimony | | | | 10.0 | 10.93 | 109.3 | | |
| Arsenic | | | | 10.0 | 10.46 | 104.6 | | |
| Barium | | | | 10.0 | 10.99 | 109.9 | | |
| Beryllium | | | | 5.0 | 5.13 | 102.6 | | |
| Cadmium | | | | 5.0 | 5.80 | 116.0 | | |
| Calcium | | | | 1000.0 | 1033.28 | 103.3 | | |
| Chromium | | | | 5.0 | 4.60 | 92.0 | | |
| Cobalt | | | | 5.0 | 5.29 | 105.8 | | |
| Copper | | | | 5.0 | 3.35 | 67.0 | | |
| Iron | | | | 100.0 | 95.04 | 95.0 | | |
| Lead | | | | 3.0 | 3.28 | 109.3 | | |
| Magnesium | | | | 1000.0 | 985.94 | 98.6 | | |
| Manganese | | | | 10.0 | 10.12 | 101.2 | | |
| Mercury | 0.2 | 0.24 | 120.0 | | | | | |
| Nickel | | | | 5.0 | 5.49 | 109.8 | | |
| Potassium | | | | 1000.0 | 1173.32 | 117.3 | | |
| Selenium | | | | 5.0 | 3.30 | 66.0 | | |
| Silver | | | | 5.0 | 4.71 | 94.2 | | |
| Sodium | | | | 2000.0 | 1596.76 | 79.8 | | |
| Thallium | | | | 10.0 | 10.85 | 108.5 | | |
| Vanadium | | | | 20.0 | 20.11 | 100.6 | | |
| Zinc | | | | 20.0 | 20.54 | 102.7 | | |

Control Limits: no limits have been established by EPA at this time

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|-----------|--------------------------------------|--|---|---------|---|---------|---|----------------------|---|----|
| | | 1 | C | 2 | C | 3 | C | | | |
| Aluminum | 21.8 U | 21.8 U | | 21.8 U | | 21.8 U | | 2.180 U | | P |
| Antimony | 3.7 U | 3.7 U | | 3.7 U | | 3.7 U | | 0.370 U | | P |
| Arsenic | 2.5 U | 2.5 U | | 2.5 U | | 2.5 U | | 0.250 U | | P |
| Barium | 0.4 B | 0.5 B | | 0.5 B | | 0.4 B | | 0.036 B | | P |
| Beryllium | 0.1 U | 0.1 B | | 0.1 U | | 0.1 U | | 0.010 U | | P |
| Cadmium | 0.4 U | 0.4 U | | 0.4 U | | 0.4 U | | 0.040 U | | P |
| Calcium | 9.6 U | 16.0 B | | 9.6 U | | 9.6 U | | 0.960 U | | P |
| Chromium | 0.6 U | 0.6 U | | 0.6 U | | 0.6 U | | 0.060 U | | P |
| Cobalt | 0.6 U | 0.6 U | | 0.6 U | | 0.6 U | | 0.060 U | | P |
| Copper | 1.4 U | 1.4 U | | 1.4 U | | 1.4 U | | 0.140 U | | P |
| Iron | 13.7 U | 13.7 U | | 13.7 U | | 13.7 U | | 1.370 U | | P |
| Lead | 2.3 U | 2.3 U | | 2.3 U | | 2.3 U | | 0.230 U | | P |
| Magnesium | 62.2 B | 74.2 B | | 65.0 B | | 66.1 B | | 6.254 B | | P |
| Manganese | 0.2 U | 0.2 U | | 0.2 U | | 0.2 U | | 0.020 U | | P |
| Mercury | 0.1 U | 0.1 U | | 0.1 U | | 0.1 U | | 0.017 U | | CV |
| Nickel | 1.0 U | 1.0 U | | 1.0 U | | 1.0 U | | 0.100 U | | P |
| Potassium | 118.5 U | 118.5 U | | 118.5 U | | 121.5 B | | 33.713 B | | P |
| Selenium | 3.3 U | 3.3 U | | 3.3 U | | 3.3 U | | 0.330 U | | P |
| Silver | 0.7 U | 0.7 U | | 0.7 U | | 0.7 U | | 0.070 U | | P |
| Sodium | 248.7 U | 248.7 U | | 248.7 U | | 248.7 U | | 24.870 U | | P |
| Thallium | 5.1 U | 5.1 U | | 5.1 U | | 5.1 U | | 0.510 U | | P |
| Vanadium | 0.7 U | 0.7 U | | 0.7 U | | 0.7 U | | 0.070 U | | P |
| Zinc | 1.0 U | 1.0 U | | 1.0 U | | 1.0 U | | 0.150 B | | P |

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|-----------|--------------------------------------|---|--|---|-------|---|-------|---|----------------------|---|----|
| | | | 1 | C | 2 | C | 3 | C | | | |
| Aluminum | | | 21.8 | U | 21.8 | U | 21.8 | U | | | P |
| Antimony | | | 3.7 | U | 3.7 | U | 3.7 | U | | | P |
| Arsenic | | | 2.5 | U | 2.5 | U | 2.5 | U | | | P |
| Barium | | | 0.5 | B | 0.6 | B | 0.5 | B | | | P |
| Beryllium | | | 0.1 | U | 0.2 | B | 0.1 | B | | | P |
| Cadmium | | | 0.4 | U | 0.4 | U | 0.4 | U | | | P |
| Calcium | | | 9.6 | U | 15.2 | B | 9.6 | U | | | P |
| Chromium | | | 0.6 | U | 0.6 | U | 0.6 | U | | | P |
| Cobalt | | | 0.6 | U | 0.6 | B | 0.6 | U | | | P |
| Copper | | | 1.4 | U | 1.4 | U | 1.4 | U | | | P |
| Iron | | | 13.7 | U | 13.7 | U | 13.7 | U | | | P |
| Lead | | | 2.3 | U | 2.3 | U | 2.3 | U | | | P |
| Magnesium | | | 65.9 | B | 72.8 | B | 66.3 | B | | | P |
| Manganese | | | 0.2 | U | 0.3 | B | 0.2 | U | | | P |
| Mercury | | | 0.1 | U | | | | | | | CV |
| Nickel | | | 1.0 | U | 1.0 | U | 1.0 | U | | | P |
| Potassium | | | 118.5 | U | 146.9 | B | 118.5 | U | | | P |
| Selenium | | | 3.3 | U | 3.3 | U | 3.3 | U | | | P |
| Silver | | | 0.7 | U | 0.7 | U | 0.7 | U | | | P |
| Sodium | | | 248.7 | U | 248.7 | U | 248.7 | U | | | P |
| Thallium | | | 5.1 | U | 5.1 | U | 5.1 | U | | | P |
| Vanadium | | | 0.7 | U | 0.7 | U | 0.7 | U | | | P |
| Zinc | | | 1.0 | U | 1.0 | U | 1.0 | U | | | P |

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | M |
|-----------|--------------------------------------|---|--|---|-------|---|-------|---|----------------------|---|---|
| | | | 1 | C | 2 | C | 3 | 9 | C | C | |
| Aluminum | | | 21.8 | U | 21.8 | U | 21.8 | U | | | P |
| Antimony | | | 3.7 | U | 3.7 | U | 3.7 | U | | | P |
| Arsenic | | | 2.5 | U | 2.5 | U | -2.5 | B | | | P |
| Barium | | | 0.5 | B | 0.5 | B | 0.4 | B | | | P |
| Beryllium | | | 0.1 | U | 0.2 | B | 0.1 | U | | | P |
| Cadmium | | | 0.4 | U | 0.4 | U | 0.4 | U | | | P |
| Calcium | | | 9.6 | U | 9.6 | U | 9.6 | U | | | P |
| Chromium | | | 0.6 | U | 0.6 | U | 0.6 | U | | | P |
| Cobalt | | | 0.6 | U | 0.6 | U | 0.6 | U | | | P |
| Copper | | | 1.4 | U | 1.4 | U | 1.4 | U | | | P |
| Iron | | | 13.7 | U | 13.7 | U | 13.7 | U | | | P |
| Lead | | | 2.3 | U | 2.3 | U | 2.3 | U | | | P |
| Magnesium | | | 66.4 | B | 68.6 | B | 61.8 | B | | | P |
| Manganese | | | 0.2 | U | 0.2 | U | 0.2 | U | | | P |
| Nickel | | | 1.0 | U | 1.0 | U | 1.0 | U | | | P |
| Potassium | | | 118.5 | U | 313.5 | B | 299.0 | B | | | P |
| Selenium | | | 3.3 | U | 3.3 | U | 3.3 | U | | | P |
| Silver | | | 0.7 | U | 0.7 | U | 0.7 | U | | | P |
| Sodium | | | 248.7 | U | 248.7 | U | 248.7 | U | | | P |
| Thallium | | | 5.1 | U | 5.1 | U | 5.1 | U | | | P |
| Vanadium | | | 0.7 | U | 0.7 | U | 0.7 | U | | | P |
| Zinc | | | 1.0 | U | 1.0 | U | 1.0 | U | | | P |

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|-----------|--------------------------------------|---|--|---|---------|---|---------|---|----------------------|---|---|
| | | | 10 1 | C | 11 2 | C | 12 3 | C | | | |
| Aluminum | | | 21.8 | U | 21.8 | U | 21.8 | U | | | P |
| Antimony | | | 3.7 | U | 3.7 | U | 3.7 | U | | | P |
| Arsenic | | | 2.5 | U | 2.5 | U | 2.5 | U | | | P |
| Barium | | | 0.4 | B | 0.6 | B | 0.4 | B | | | P |
| Beryllium | | | 0.1 | U | 0.1 | B | 0.1 | U | | | P |
| Cadmium | | | 0.4 | U | 0.4 | U | 0.4 | U | | | P |
| Calcium | | | 9.6 | U | 11.6 | B | 9.6 | U | | | P |
| Chromium | | | 0.6 | U | 0.6 | U | -0.8 | B | | | P |
| Cobalt | | | 0.6 | U | 0.6 | U | 0.6 | U | | | P |
| Copper | | | 1.4 | U | 1.4 | U | 1.4 | U | | | P |
| Iron | | | 13.7 | U | 13.7 | U | 13.7 | U | | | P |
| Lead | | | 2.3 | U | 2.3 | U | 2.3 | U | | | P |
| Magnesium | | | 66.2 | B | 70.4 | B | 66.8 | B | | | P |
| Manganese | | | 0.2 | U | 0.2 | U | 0.2 | U | | | P |
| Nickel | | | 1.0 | U | 1.0 | U | 1.0 | U | | | P |
| Potassium | | | 185.1 | B | 204.2 | B | 208.2 | B | | | P |
| Selenium | | | 3.3 | U | 3.3 | U | 3.3 | U | | | P |
| Silver | | | 0.7 | U | 0.7 | U | -0.7 | B | | | P |
| Sodium | | | 248.7 | U | 248.7 | U | 248.7 | U | | | P |
| Thallium | | | 5.1 | U | 5.1 | U | 5.1 | U | | | P |
| Vanadium | | | 0.7 | U | 0.7 | U | 0.7 | U | | | P |
| Zinc | | | 1.0 | U | 1.0 | U | 1.0 | U | | | P |

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SSMW10-0S

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812Matrix (soil/water): SOIL Level (low/med): LOWSolids for Sample: 89.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|-----------|------------------|----------------------------|---|--------------------|---|------------------|-------|---|----|
| Antimony | 75 - 125 | 48.4739 | | 0.4437 | B | 55.99 | 85.8 | | P |
| Arsenic | 75 - 125 | 4.6926 | | 0.4223 | B | 4.48 | 95.3 | | P |
| Barium | 75 - 125 | 223.4655 | | 2.1547 | | 223.96 | 98.8 | | P |
| Beryllium | 75 - 125 | 5.5079 | | 0.0198 | B | 5.60 | 98.0 | | P |
| Cadmium | 75 - 125 | 5.1542 | | 0.0448 | U | 5.60 | 92.0 | | P |
| Chromium | 75 - 125 | 24.3080 | | 1.6299 | | 22.40 | 101.2 | | P |
| Cobalt | 75 - 125 | 55.1556 | | 0.2457 | B | 55.99 | 98.1 | | P |
| Copper | 75 - 125 | 25.4315 | | 4.0770 | | 28.00 | 76.3 | | P |
| Lead | 75 - 125 | 6.9510 | | 5.0261 | | 2.24 | 85.9 | | P |
| Manganese | 75 - 125 | 59.6277 | | 3.3022 | | 55.99 | 100.6 | | P |
| Mercury | 75 - 125 | 0.1941 | | 0.0195 | B | 0.19 | 91.9 | | CV |
| Nickel | 75 - 125 | 53.7392 | | 0.2847 | B | 55.99 | 95.5 | | P |
| Selenium | 75 - 125 | 1.0746 | | 0.3695 | U | 1.12 | 95.9 | | P |
| Silver | 75 - 125 | 4.9304 | | 0.0784 | U | 5.60 | 88.0 | | P |
| Thallium | 75 - 125 | 4.1197 | | 0.5711 | U | 5.60 | 73.6 | N | P |
| Vanadium | 75 - 125 | 58.6584 | | 1.9677 | B | 55.99 | 101.3 | | P |
| Zinc | 75 - 125 | 63.7182 | | 6.1301 | | 55.99 | 102.9 | | P |

Comments:

SW-040 METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SSMW10-0SD

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|-----------|------------------|----------------------------|---|--------------------|---|------------------|-------|---|----|
| Antimony | 75 - 125 | 47.8191 | | 0.4437 | B | 55.99 | 84.6 | | P |
| Arsenic | 75 - 125 | 4.6257 | | 0.4223 | B | 4.48 | 93.8 | | P |
| Barium | 75 - 125 | 225.7260 | | 2.1547 | | 223.96 | 99.8 | | P |
| Beryllium | 75 - 125 | 5.4632 | | 0.0198 | B | 5.60 | 97.2 | | P |
| Cadmium | 75 - 125 | 5.1349 | | 0.0448 | U | 5.60 | 91.7 | | P |
| Chromium | 75 - 125 | 24.0073 | | 1.6299 | | 22.40 | 99.9 | | P |
| Cobalt | 75 - 125 | 54.6981 | | 0.2457 | B | 55.99 | 97.3 | | P |
| Copper | 75 - 125 | 27.9778 | | 4.0770 | | 28.00 | 85.4 | | P |
| Lead | 75 - 125 | 6.4567 | | 5.0261 | | 2.24 | 63.9 | N | P |
| Manganese | 75 - 125 | 58.5973 | | 3.3022 | | 55.99 | 98.8 | | P |
| Mercury | 75 - 125 | 0.1909 | | 0.0195 | B | 0.19 | 90.2 | | CV |
| Nickel | 75 - 125 | 53.1396 | | 0.2847 | B | 55.99 | 94.4 | | P |
| Selenium | 75 - 125 | 1.1371 | | 0.3695 | U | 1.12 | 101.5 | | P |
| Silver | 75 - 125 | 4.9220 | | 0.0784 | U | 5.60 | 87.9 | | P |
| Thallium | 75 - 125 | 3.9547 | | 0.5711 | U | 5.60 | 70.6 | N | B |
| Vanadium | 75 - 125 | 58.1540 | | 1.9677 | B | 55.99 | 100.4 | | P |
| Zinc | 75 - 125 | 58.3773 | | 6.1301 | | 55.99 | 93.3 | | P |

Comments:

ICP SERIAL DILUTIONS

SAMPLE NO.

SSMW10-01

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812Matrix (soil/water): SOIL

Level (low/med): _____

LOWConcentration Units: ug/L

| Analyte | Initial Sample Result (I) | | Serial Dilution Result (S) | | % Differ- ence | Q | M |
|-----------|------------------------------|---|-------------------------------|---|-------------------|---|---|
| | C | | C | | | | |
| Aluminum | 3530.29 | | 3727.93 | | 5.6 | | P |
| Antimony | 3.96 | B | 18.50 | U | 100.0 | | P |
| Arsenic | 3.77 | B | 12.50 | U | 100.0 | | P |
| Barium | 19.24 | | 20.15 | B | 4.7 | | P |
| Beryllium | 0.18 | B | 0.50 | U | 100.0 | | P |
| Cadmium | 0.40 | U | 2.00 | U | | | P |
| Calcium | 625.78 | B | 660.63 | B | 5.6 | | P |
| Chromium | 14.56 | | 12.55 | B | 13.8 | | P |
| Cobalt | 2.19 | B | 3.00 | U | 100.0 | | P |
| Copper | 36.41 | | 34.73 | | 4.6 | | P |
| Iron | 6852.90 | | 6838.94 | | 0.2 | | P |
| Lead | 44.88 | | 49.90 | | 11.2 | | P |
| Magnesium | 452.74 | B | 690.19 | B | 52.4 | E | P |
| Manganese | 29.49 | | 29.48 | B | 0.0 | | P |
| Nickel | 2.54 | B | 5.00 | U | 100.0 | | P |
| Potassium | 863.96 | B | 1764.23 | B | 104.2 | | P |
| Selenium | 3.30 | U | 16.50 | U | | | P |
| Silver | 0.70 | U | 3.50 | U | | | P |
| Sodium | 532.59 | B | 1243.50 | U | 100.0 | | P |
| Thallium | 5.10 | U | 25.50 | U | | | P |
| Vanadium | 17.57 | B | 16.92 | B | 3.7 | | P |
| Zinc | 54.74 | | 66.75 | B | 21.9 | E | P |

PREPARATION LOG

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812Method: P

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|-------------------|---------------------|------------------|----------------|
| LCSS | 12/18/02 | 1.00 | 100.0 |
| PBS | 12/18/02 | 1.00 | 100.0 |
| SSMW07-0 | 12/18/02 | 1.09 | 100.0 |
| SSMW07-1 | 12/18/02 | 1.08 | 100.0 |
| SSMW07-4 | 12/18/02 | 1.00 | 100.0 |
| SSMW08-0 | 12/18/02 | 1.03 | 100.0 |
| SSMW08-1 | 12/18/02 | 1.07 | 100.0 |
| SSMW08-4 | 12/18/02 | 1.02 | 100.0 |
| SS-MW09-0 | 12/18/02 | 1.04 | 100.0 |
| SS-MW09-1 | 12/18/02 | 1.08 | 100.0 |
| SS-MW09-4 | 12/18/02 | 1.02 | 100.0 |
| SSMW10-0 | 12/18/02 | 1.00 | 100.0 |
| SSMW10-0D | 12/18/02 | 1.00 | 100.0 |
| SSMW10-0S | 12/18/02 | 1.00 | 100.0 |
| SSMW10-0SD | 12/18/02 | 1.00 | 100.0 |
| SSMW10-4 | 12/18/02 | 1.01 | 100.0 |
| SSMW10D-4 | 12/18/02 | 1.09 | 100.0 |
| SSMW11-1 | 12/18/02 | 1.05 | 100.0 |
| SSMW11-4 | 12/18/02 | 1.08 | 100.0 |
| SSMW11D-1 | 12/18/02 | 1.03 | 100.0 |
| SSMW11D-4 | 12/18/02 | 1.02 | 100.0 |

PREPARATION LOG

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812Method: CV

| EPA Sample No. | Preparation Date | Weight (gram) | Volume (mL) |
|-------------------|---------------------|------------------|----------------|
| LCSS | 12/18/02 | 0.20 | 100.0 |
| PBS | 12/18/02 | 0.60 | 100.0 |
| SSMW07-0 | 12/18/02 | 0.61 | 100.0 |
| SSMW07-1 | 12/18/02 | 0.69 | 100.0 |
| SSMW07-4 | 12/18/02 | 0.69 | 100.0 |
| SSMW08-0 | 12/18/02 | 0.63 | 100.0 |
| SSMW08-1 | 12/18/02 | 0.67 | 100.0 |
| SSMW08-4 | 12/18/02 | 0.66 | 100.0 |
| SS-MW09-0 | 12/18/02 | 0.69 | 100.0 |
| SS-MW09-1 | 12/18/02 | 0.61 | 100.0 |
| SS-MW09-4 | 12/18/02 | 0.60 | 100.0 |
| SSMW10-0 | 12/18/02 | 0.60 | 100.0 |
| SSMW10-0D | 12/18/02 | 0.60 | 100.0 |
| SSMW10-0S | 12/18/02 | 0.60 | 100.0 |
| SSMW10-0SD | 12/18/02 | 0.60 | 100.0 |
| SSMW10-4 | 12/18/02 | 0.69 | 100.0 |
| SSMW10D-4 | 12/18/02 | 0.62 | 100.0 |
| SSMW11-1 | 12/18/02 | 0.65 | 100.0 |
| SSMW11-4 | 12/18/02 | 0.68 | 100.0 |
| SSMW11D-1 | 12/18/02 | 0.61 | 100.0 |
| SSMW11D-4 | 12/18/02 | 0.60 | 100.0 |

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812Instrument ID Number: P4Method: PStart Date: 12/18/02End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V | Z N | C N | | |
| S0 | 1.00 | 1321 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| S | 1.00 | 1329 | | | | | | | X | X | | X | | | | | X | | X | X | | X | | | | X | | | |
| S | 1.00 | 1337 | | X | | | | | | X | | | X | X | | | | | | | | | | | | | | | |
| S | 1.00 | 1343 | | | | X | X | X | | | | X | | | | X | | | | | | | | | X | | | | |
| S | 1.00 | 1349 | | | | | | | | | | | | | | | | | X | | X | | | | | | | | |
| S | 1.00 | 1354 | | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1400 | | X | | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | | X | | X | X | | | |
| ICV | 1.00 | 1408 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1416 | | | X | X | | | | | | | | X | | | | | | X | X | | X | | | | | | |
| ICB | 1.00 | 1425 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.00 | 1433 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1441 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| ICSAB | 1.00 | 1449 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| CCV | 1.00 | 1457 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| CCB | 1.00 | 1505 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| LRS | 1.00 | 1515 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.00 | 1522 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1530 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1537 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1545 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1552 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1600 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1608 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1615 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1623 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1630 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| CCB | 1.00 | 1638 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| ZZZZZZ | 1.00 | 1645 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1653 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1701 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1708 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1716 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1723 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1731 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1738 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1746 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1754 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1801 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: Q2812

Instrument ID Number: P4 Method: P

Start Date: 12/18/02 End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A A | N L | T V | V Z | Z N | C N | | | | |
| CCB | 1.00 | 1809 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | | | | | | | |
| ZZZZZZ | 1.00 | 1816 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1824 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1831 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1839 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1847 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1854 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1902 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1909 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1917 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1924 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1932 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCB | 1.00 | 1940 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ZZZZZZ | 5.00 | 1947 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1955 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2033 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2040 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2048 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2055 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 2103 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCB | 1.00 | 2110 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ZZZZZZ | 1.00 | 2118 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2126 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2133 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2141 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2148 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2156 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2203 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2211 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2219 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2226 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 2234 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCB | 1.00 | 2241 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ZZZZZZ | 1.00 | 2249 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812Instrument ID Number: P4Method: PStart Date: 12/18/02End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A G | N A | T L | V L | Z N | C N |
| ZZZZZZ | 1.00 | 2256 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2304 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2312 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2319 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2327 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2334 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 2342 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2349 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2357 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 0005 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCB | 1.00 | 0012 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | 1.00 | 0020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 0027 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0035 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0042 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0050 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0058 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0105 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0113 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0120 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0128 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 0135 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCB | 1.00 | 0143 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | 1.00 | 0151 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0158 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0206 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0213 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0221 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0228 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0236 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0244 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0251 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0259 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 0306 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCB | 1.00 | 0314 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | 1.00 | 0322 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0329 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 0337 | | | | | | | | | | | | | | | | | | | | | | | | | |

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812Instrument ID Number: P4Method: PStart Date: 12/18/02End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A L | T L | V N | Z N |
| PBS | 1.00 | 0344 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| LCSS | 1.00 | 0352 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW10-0 | 1.00 | 0359 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW10-0S | 1.00 | 0407 | | | X | X | X | X | X | | X | X | X | | X | | X | | X | | X | X | X | X | X |
| SSMW10-0SD | 1.00 | 0415 | | | X | X | X | X | X | | X | X | X | | X | | X | | X | | X | X | X | X | X |
| SSMW10-0D | 1.00 | 0422 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW10-0L | 5.00 | 0430 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCV | 1.00 | 0437 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCB | 1.00 | 0445 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW10-0A | 1.00 | 0452 | | | | | | | | | | | | | X | | | | | | | | X | | |
| SSMW07-0 | 1.00 | 0500 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW07-1 | 1.00 | 0508 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW07-4 | 1.00 | 0515 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW08-0 | 1.00 | 0523 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW08-1 | 1.00 | 0530 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW08-4 | 1.00 | 0538 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW11-1 | 1.00 | 0546 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW11-4 | 1.00 | 0553 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW11D-1 | 1.00 | 0601 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCV | 1.00 | 0608 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCB | 1.00 | 0616 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW11D-4 | 1.00 | 0623 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW10-4 | 1.00 | 0631 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SSMW10D-4 | 1.00 | 0639 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SS-MW09-0 | 1.00 | 0646 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SS-MW09-1 | 1.00 | 0654 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SS-MW09-4 | 1.00 | 0701 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCV | 1.00 | 0709 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCB | 1.00 | 0717 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812Instrument ID Number: V3Method: CVStart Date: 12/19/02End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A L | N A | T L | V L | Z N | C N | | |
| S0 | 1.00 | 1030 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| S0.2 | 1.00 | 1032 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| S0.5 | 1.00 | 1035 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| S1 | 1.00 | 1037 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| S5 | 1.00 | 1040 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| S10 | 1.00 | 1042 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 1045 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 1047 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| CRA | 1.00 | 1050 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 1052 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 1054 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| PBS | 1.00 | 1057 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| LCSS | 1.00 | 1059 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| MW10-0 | 1.00 | 1101 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| MW10-0D | 1.00 | 1103 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW10-0S | 1.00 | 1106 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW10-0SD | 1.00 | 1108 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW07-0 | 1.00 | 1110 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW07-1 | 1.00 | 1112 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW07-4 | 1.00 | 1114 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW08-0 | 1.00 | 1117 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 1119 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 1121 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW08-1 | 1.00 | 1124 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW08-4 | 1.00 | 1126 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW11-1 | 1.00 | 1128 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW11-4 | 1.00 | 1130 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW11D-1 | 1.00 | 1132 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW11D-4 | 1.00 | 1135 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW10-4 | 1.00 | 1137 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SSMW10D-4 | 1.00 | 1139 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SS-MW09-0 | 1.00 | 1141 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SS-MW09-1 | 1.00 | 1144 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 1146 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 1148 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| SS-MW09-4 | 1.00 | 1150 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1153 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZ | 1.00 | 1155 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

50

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: Q2812Instrument ID Number: V3Method: CVStart Date: 12/19/02End Date: 12/19/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| | | | | A | S | A | B | B | C | C | C | C | F | P | M | M | H | N | K | S | A | N | T | V | Z | C | | | |
| | | | | L | B | S | A | E | D | A | R | O | U | E | B | G | N | G | I | | E | G | A | L | | N | N | | |
| ZZZZZZ | 1.00 | 1157 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1200 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1202 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1204 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1207 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1209 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1211 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1213 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1216 | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |

COMPUCHEM a Division of Liberty Analytical COMMERCIAL RECEIVING LOG

Page 1 of 1

| | | | |
|--------------------------------|---------------------------------------|------------------------------------|------------------|
| Client: <u>Malcom Pirnie</u> | Rec'd Date: <u>12-4-02</u> | PPS/RPA <u>1263</u> | Lab Instructions |
| Project: <u>80 DRS</u> | Courier: <u>UPS</u> | <u>TCL Tol.</u> <u>USEPA GC</u> | |
| Quote: <u>02812</u> | Airbill No. <u>023500982210070506</u> | | |
| Login No. <u>02, R, S 2812</u> | <u>0515</u> <u>0490</u> | | |
| Subcontract? <u>Y / N</u> | | | |
| TAT Verbal <u>Report</u> | | | |

Cooler Rec'd By: C. Schiller

Sample Login By:

Temperature: 3.5 → 4.9 °C

Cyanide Samples checked for sulfide & chlorine? Y / NA

Phenol Samples checked for chlorine? Y / NA

Received in Good Condition? Y / N

If no, explain:

| | | | | Parameters | | | | | | | | | |
|--------------|------------|-----|--------|------------|---------------|------------|------|------------|------|------------|------|------------|----|
| CompuChem ID | Client ID | Q C | Matrix | Date | Military Time | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH |
| 02812-1 | SSMW07-0 | | SO | 12/03 | 09:30 | 1.8g | | 1.4g | | 1.4g | | 1.4g | |
| 2 | -1 | | | | 09:35 | | | | | | | | |
| 3 | ✓ -4 | | | | 09:40 | | | | | | | | |
| 4 | MW08-0 | | | | 11:30 | | | | | | | | |
| 5 | -1 | | | | 11:35 | | | | | | | | |
| 6 | ✓ -4 | | | | 1:40 | | | | | | | | |
| 7 | MW11-1 | | | | 14:50 | | | | | | | | |
| 8 | ✓ -4 | | | | 14:55 | | | | | | | | |
| 9 | MW110-1 | | | | 14:52 | | | | | | | | |
| 10 | ✓ -4 | | | | 14:57 | ✓ | | ✓ | | ✓ | | ✓ | |
| 11 | MW10-0 | X | | | 13:30 | 9.5g | 3.8g | 3.4g | 3.4g | 3.4g | 3.4g | 3.4g | |
| 12 | ✓ -4 | | | | 13:42 | 6.5g | 2.8g | 2.4g | 2.4g | 2.4g | 2.4g | 2.4g | |
| 13 | MW100-4 | | | | 13:42 | 3.5g | 1.8g | 1.4g | 1.4g | 1.4g | 1.4g | 1.4g | |
| R 2812-1 | MW10-1 | | WA | | 15:37 | 9.5g | 3.8g | 3.4g | 3.4g | 3.4g | 3.4g | 3.4g | |
| S 2812-1 | TRIP BLANK | | | | | 140ml | | | | | | | |

Container Type Abbreviations: 40mL(40mL vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER

11-6/28/01 dce



COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068036

| | | |
|--|---|---|
| Project Name: 80 DRS | Client Address: Malcolm Pirnie | Point-of-Contact: Tony PACE |
| Carrier: UPS | 701 Town Centre Dr. #600 | Telephone No. 757 873-8700 |
| Airbill No.: | NEB/PURT NEWS | Sampling complete? Y or N (see Note 1) |
| Sampler Name: Gertlyn Perlas | 23606 | Project-specific (PS) or Batch (B) QC? |
| Sampler Signature: | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low |
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinseate 5. Soil / Sediment / Sludge | BOX #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved F. Ice Only G. Other H. NaHSO4 + Ice I. ZnAc+NaOH + Ice | Box #6 C. CLP 390 S. SW-846 W. CWA 800-series O. Other |

| Sample ID (9 characters maximum) | Date: Year, 2002 | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Heavy Metals | Mercury | Cyanide | LOC/TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|------------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|--------------|---------|---------|---------|---|
| SS-MW07-0 | 12/3 | 9:30 | 5 | F | U | | S | 4 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | SVOC/pest/pub all in one bottle |
| SS-MW07-1 | 12/3 | 9:35 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-MW07-4 | 12/3 | 9:40 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | TOC + pH are together |
| SS-MW08-0 | 12/3 | 11:30 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-MW08-1 | 12/3 | 11:35 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-MW08-4 | 12/3 | 11:40 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |

Clients Special Instructions:

| | | | |
|--|----------------------------|---------------------------|---------------------------|
| Lab: Received in Good Condition? Y or N | Describe Problems, if any: | | Temperature 3.5 °C |
| #1 Relinquished By: (Sig) <i>[Signature]</i> | Date: Dec 3/02 | #2 Relinquished By: (Sig) | Date: |
| Company Name: Malcolm Pirnie | Time: 1645 | Company Name: | Time: |
| #1 Received By: (Sig) <i>[Signature]</i> | Date: 12/4/02 | #2 Received By: (Sig) | Date: |
| Company Name: CompuChem | Time: 1000 | Company Name: | Time: |
| #3 Relinquished By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; If "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.



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501 Madison Avenue
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1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068034

134

| | | |
|------------------------------|---------------------------------|---|
| Project Name : 80 DRS | Client Address : Malcolm Pirnie | Point-of-Contact : Tony Pace |
| Carrier : WP | 701 Town Center Drive, #600 | Telephone No. : 757-873-8700 |
| Airbill No. : | Newport News, VA 23606 | Sampling complete? Y or N (see Note 1) |
| Sampler Name : Gerlyn Perlas | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | | | | | | |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinse 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other | BOX #2 | A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | Box #4 | H. High M. Medium L. Low | Box #5 | C. CLP 3/80 S. SW-846 W. CWA 600-series O. Other | T. TCLP |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|

| Sample ID (9 characters maximum) | Date/Year: 2002 | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOC | SVOC | Pesticide | PCB | Herbicide | Mercury | Cyanide | TOC/POC | Oil/G/TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|-----------------|------------------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|---------|---------|---------|-----------|---|
| SS-MW11-1 | 12/3 | 14:15 | | | | | | | | | | | | | | | | | |
| SS-MW11-1 | 12/3 | 14:50 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| SS-MW11-4 | 12/3 | 14:55 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| SS-MW11-10 | 12/3 | 14:00 | | | | | | | | | | | | | | | | | |
| SS-MW11-10 | 12/3 | 14:02 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| SS-MW11-10 | 12/3 | 14:57 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| SS-MW11-10 | 12/3 | 13:30 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| SS-MW11-10 | 12/3 | 13:32 | S | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | | | |

Client's Special Instructions:

Temperature: 35.7°C

Lab: Received in Good Condition? Y or N Describe Problems, if any:

| | | | | | |
|--|-----------------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <i>Gerlyn Perlas</i> | Date: <i>Dec 3/02</i> | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <i>Malcolm Pirnie</i> | Time: <i>1450</i> | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <i>BeS. Schell</i> | Date: <i>12/4/02</i> | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: <i>CompuChem</i> | Time: <i>1000</i> | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.



No. 068031

Box #6 C. CLP 350 T. TCLP
S. SW-846
W. CWA 600-series
O. Other

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.

COMPUCHEM a Division of Liberty Analytical
COMMERCIAL RECEIVING LOG

Page 1 of 1

| | | |
|------------------------------|-------------------------------------|-------------------------------------|
| Client: <u>Molson Perini</u> | Rec'd Date: <u>12-16-02</u> | PPS/RFA <u>1263</u> |
| Project: <u>80 DRS</u> | Courier: <u>UPS</u> | Lab Instructions <u>TCL 4 + TAL</u> |
| Quote: <u>Q 2812</u> | Airbill No. <u>1723098210020499</u> | |
| Login No. <u>R, S 2812</u> | | |
| Subcontract? <u>Y / N</u> | | |
| TAT Verbal Report <u>14</u> | | |

| |
|---|
| Cooler Rec'd By: <u>E. Schiller</u> |
| Sample Login By: <u>OT Schiller</u> |
| Temperature: <u>2.0 → 4.0 °C</u> |
| Cyanide Samples checked for sulfide & chlorine? <u>Y / NA</u> |
| Phenol Samples checked for chlorine? <u>Y / NA</u> |
| Received in Good Condition? <u>Y / N</u> |
| If no, explain: |

| | | | | | | | | | | Parameters | | | | | | | | | |
|--------------|--------------|-----|--------|-------|---------------|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|
| CompuChem ID | Client ID | Q C | Matrix | Date | Military Time | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H |
| R2812-2 | SS-SB03-0 | | SO | 12/04 | 10:45 | 1.4ug | | 1.4ug | | 1.8ug | | 1.4ug | | | | | | | |
| 3 | -1 | | | | 10:50 | | | | | | | | | | | | | | |
| 4 | -4 | | | | 10:55 | | | | | | | | | | | | | | |
| 5 | SS-SB04-0 | | | | 11:15 | | | | | | | | | | | | | | |
| 6 | -1 | | | | 11:20 | | | | | | | | | | | | | | |
| 7 | -4 | | | | 11:25 | | | | | | | | | | | | | | |
| 8 | SS-SB01-0 | | | | 11:55 | | | | | | | | | | | | | | |
| 9 | -1 | | | | 12:00 | | | | | | | | | | | | | | |
| 10 | -4 | | | | 12:05 | | | | | | | | | | | | | | |
| 11 | SS-SB04-0 | | | | 09:45 | | | | | | | | | | | | | | |
| 12 | -1 | | | | 09:50 | | | | | | | | | | | | | | |
| 13 | -4 | | | | 09:55 | | | | | | | | | | | | | | |
| 14 | SS-SB05-0 | | | | 10:10 | | | | | | | | | | | | | | |
| 15 | -1 | | | | 10:15 | | | | | | | | | | | | | | |
| 16 | -4 | | | | 10:20 | | | | | | | | | | | | | | |
| 17 | SS-MW11-0 | | | | 09:20 | | | | | | | | | | | | | | |
| S2812-2 | ER-SS-120402 | | WA | 12/04 | 13:50 | 3.00ul | | 1. PL | | 4. AL | | - | | | | | | | |

Container Type Abbreviations: 40ml (40ml. vial) AL (Amber Liter) PL (Plastic Liter) 500P (500mL Plastic) 250P (250mL Plastic) OTHER

r11 - 6/28/11: dce



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CHAIN-OF-CUSTODY RECORD

No. 060985

| | | | | | |
|---|--|---|--|--|--|
| Project Name : <u>80 DRS</u> | | Client Address : <u>Malcolm Pirnie</u> | | Point-of-Contact : <u>Tony Pace</u> | |
| Carrier : <u>UPS</u> | | 701 Town Centre Dr. #600 | | Telephone No. : <u>757 873-8700</u> | |
| Airbill No. : | | <u>NEWPORT NEWS, VA</u> | | Sampling complete? Y or <input checked="" type="checkbox"/> (see Note 1) | |
| Sampler Name : <u>Gerlyn T. Perlas</u> | | 23600 | | Project-specific (PS) or Batch (B) QC ? | |
| Sampler Signature : | | BOX #3 F. Filtered U. Unfiltered | | BOX #4 H. High M. Medium L. Low | |
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinseate 5. Soil / Sediment / Sludge | | BOX #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved | | BOX #6 C. CLP 300 S. SW-846 W. CWA 800-series O. Other | |
| 6. Trip Blank 7. Oil 8. Waste 9. Other | | F. Ice Only G. Other | | T. TCLP | |

| Sample ID (9 characters maximum) | Date: Year: <u>2002</u> | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #6 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Heavy Metals | Cyanide | TOC / pH | DSG / TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|-------------------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|--------------|---------|----------|-----------|---|
| SS-SB03-0 | 12/4 | 10:45 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-SB03-1 | 12/4 | 10:50 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-SB03-4 | 12/4 | 10:55 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-SB04-0 | 12/4 | 11:15 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-SB04-1 | 12/4 | :20 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| SS-SB04-4 | 12/4 | :25 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| / | / | / | | | | | | | | | | | | | | | | | |
| / | / | / | | | | | | | | | | | | | | | | | |
| / | / | / | | | | | | | | | | | | | | | | | |

Clients Special Instructions:

Lab: Received in Good Condition? Y or N Describe Problems, if any: Temperature 4.0 °C

| | | | | | |
|--|----------------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <u>[Signature]</u> | Date: <u>12/4/02</u> | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <u>Malcolm Pirnie Inc</u> | Time: <u>1502</u> | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <u>[Signature]</u> | Date: <u>12/6/02</u> | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: <u>CompuChem</u> | Time: <u>1000</u> | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.



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CHAIN-OF-CUSTODY RECORD

No. 067060

| | | |
|--------------------------------------|--|---|
| Project Name: SO DRS | Client Address: Malcolm Pirnie, Inc. 701 Town Centre Dr. #600 | Point-of-Contact: Tony PAGE |
| Carrier: UPS | NEWPORT NEWS, VA 23606 | Telephone No.: 757-873-8700 |
| Airbill No.: | | Sampling complete? Y or N (see Note 1) Y |
| Sampler Name: Gorlyn T. Perks | Sampler Signature: | Project-specific (PS) or Batch (B) QC? PS |

| | | | | | | | |
|---|---|---|--|--|--|---|---------|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinse 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | BOX #4 H. High M. Medium L. Low | BOX #5 C. CLP 3/80 S. SW-846 W. CWA 600-series O. Other | T. TCLP |
|---|---|---|--|--|--|---|---------|

| Sample ID (9 characters maximum) | Date: Year | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VDA | SVOC | Pesticide | PCB | Merbicide | Mercury | Cyanide | TOC / TOX | OSG / TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|---------|---------|-----------|-----------|--|
| SS-SB01-0 | 12/4 | 11:55 | S | | | | | | | | | | | | | | | | |
| -1 | 12/4 | 12:00 | S | | | | | | | | | | | | | | | | |
| -4 | 12/4 | 12:05 | S | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| ER-SS | 12/4 | 13:50 | 4 | A | U | | S | 3 | | 3 | | | | | | | | | ER-SS-120402 |
| SEE REMARKS | 12/4 | 13:50 | 4 | F | U | | S | 4 | | | 4 | 4 | | | | | | | ER-SS-120402 |
| | 12/4 | 13:50 | 1 | B | U | | S | 1 | | | | | | 1 | | | | | ER-SS-120402 |
| | | | | | | | | | | | | | | | | | | | |
| TRIP BLANK | | | 4 | | | | | 1 | | | | | | | | | | | * Sample not in center. Did not return @ 12/7/02 |

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|-----------------------|--|--|--|--|---------------------------|--|--|--|--|-------|--|--|--|--|
| Client's Special Instructions: | | | | | | | | | | Temperature 20 °C | | | | | | | | | |
| Lab: Received in Good Condition? Y or N Describe Problems, if any: | | | | | | | | | | | | | | | | | | | |
| #1 Relinquished By: (Sig) Ze | | | | | Date: 12/11/02 | | | | | #2 Relinquished By: (Sig) | | | | | Date: | | | | |
| Company Name: Malcolm Pirnie Inc | | | | | Time: 16:00 | | | | | Company Name: | | | | | Time: | | | | |
| #1 Received By: (Sig) E. Schiller | | | | | Date: 12/10/02 | | | | | #2 Received By: (Sig) | | | | | Date: | | | | |
| Company Name: CompuChem | | | | | Time: 1000 | | | | | Company Name: | | | | | Time: | | | | |
| #3 Relinquished By: (Sig) | | | | | Date: | | | | | #3 Relinquished By: (Sig) | | | | | Date: | | | | |
| Company Name: | | | | | Time: | | | | | Company Name: | | | | | Time: | | | | |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; If "Y" lab will begin processing batches now.

Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.



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1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 067058

| | | |
|---------------------------------------|--|--|
| Project Name: 80 DRS | Client Address: Malcolm Pirnie Inc. | Point-of-Contact: Tony Pace |
| Carrier: UPS | Suite 600, Newport News, | Telephone No.: 757 873-8700 |
| Airbill No.: | VA, 23606 | Sampling complete? Y or N (see Note 1) |
| Sampler Name: Gerlyn T. Perlus | Sampler Signature: | Project-specific (PS) or Batch (B) QC? PS |

| | | | | |
|---|--|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinse 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #6 C. CLP 360 S. SW-846 W. CWA 800-series O. Other |
|---|--|---|---|---|

| Sample ID (9 characters maximum) | | | | | | Date/Year 12/4/02 2/02 | Time | Box #1 | Box #2 | Box #3 | Box #4 | Box #6 | | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals/Mercury | Cyanide | TOC/TOR | pH | O&G/TPH | | | | | | | Remarks / Comments (see Notes 2 & 3) | | |
|-------------------------------------|---|---|---|---|----|-----------------------------------|------|--------|--------|--------|--------|--------|--|-------------------------------|-----|------|-----------|-----|-----------|----------------|---------|---------|----|---------|--|--|--|--|--|--|---|--------------------------------|--|
| S | S | - | S | B | 04 | - | 0 | 12/4 | 9:45 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | | | 1 | | | | | | | | Toc / pH - one bottle | | |
| S | S | - | S | B | 04 | - | 1 | 12/4 | 9:50 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | | | 1 | | | | | | | | | | |
| S | S | - | S | B | 04 | - | 4 | 12/4 | 9:55 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | | | 1 | | | | | | | | | SVOC / rest / PCB - one bottle | |
| | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | | | | |
| S | S | - | S | B | 05 | - | 0 | 12/4 | 10:10 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | | | 1 | | | | | | | | | | |
| S | S | - | S | B | 05 | - | 1 | 12/4 | 10:15 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | | | 1 | | | | | | | | | | |
| S | S | - | S | B | 05 | - | 4 | 12/4 | 10:20 | 5 | F | U | | S | 7 | | 4 | 1 | 1 | 1 | | | 1 | | | | | | | | | | |
| | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|--|----------------------|----------------------------|-------|
| Client's Special Instructions: | | Temperature 31.1 °C | |
| Lab: Received in Good Condition? Y or N | | Describe Problems, if any: | |
| #1 Relinquished By: (Sig) [Signature] | Date: 12/4/02 | #2 Relinquished By: (Sig) | Date: |
| Company Name: Malcolm Pirnie Inc | Time: 16:00 | Company Name: | Time: |
| #1 Received By: (Sig) [Signature] | Date: 12/4/02 | #2 Received By: (Sig) | Date: |
| Company Name: CompuChem | Time: 1000 | Company Name: | Time: |
| #3 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |
| #3 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
 Note (2): Samples stored 60 days after date report mailed at no extra charge.
 Note (3): All lab copies of data destroyed after three years.



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CHAIN-OF-CUSTODY RECORD

No. 068037

146

| | | | | | |
|--|--|---|--|---|--|
| Project Name: 80 DRS | | Client Address: Malcolm Pirnie | | Point-of-Contact: Tony Pace | |
| Carrier: UPS | | 701 Town Center Drive, #600 | | Telephone No. 757-873-8700 | |
| Airbill No.: | | Newport News, VA 23606 | | Sampling complete? Y or <u>N</u> (see Note 1) | |
| Sampler Name: Gerlyn Perlas | | Sampler Signature: | | Project-specific (PS) or Batch (B) QC? | |
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other | | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | | BOX #3 F. Filtered U. Unfiltered BOX #4 H. High M. Medium L. Low BOX #5 C. CLP 3/90 S. SW-846 W. CWA 800-series O. Other | |

| Sample ID (9 characters maximum) | Date: Year: <u>2002</u> | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metal / Mercury | Cyanide | TOC / POC / PH | QAG / TPH | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|-------------------------|------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|-----------------|---------|----------------|-----------|---|
| SS-MW11-P | 12/5 | 9:20 | 5 | F | U | | S | 7 | | H | I | I | | | | | | | ER-SS-120402 not listed on CQC 12/10/02 |
| | / | : | | | | | | | | | | | | | | | | | |
| | / | : | | | | | | | | | | | | | | | | | |
| | / | : | | | | | | | | | | | | | | | | | |
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| | / | : | | | | | | | | | | | | | | | | | |
| | / | : | | | | | | | | | | | | | | | | | |

Client's Special Instructions:

| | | | | | |
|--|----------------------|----------------------------|-------|---------------------------|-------|
| Lab: Received in Good Condition? Y or N | | Describe Problems, if any: | | Temperature <u>2.6</u> °C | |
| #1 Relinquished By: (Sig) <u>in soft</u> | Date: <u>12/5/02</u> | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <u>Malcolm Pirnie Inc</u> | Time: <u>PT: 00</u> | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <u>E. Schiller</u> | Date: <u>12/6/02</u> | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: <u>CompuChem</u> | Time: <u>1140</u> | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
 Note (2): Samples stored 60 days after date report mailed at no extra charge.
 Note (3): All lab copies of data destroyed after three years.

Rodney Raimonde

From: Pace, Tony [TPace@PIRNIE.COM]
Sent: Monday, December 09, 2002 7:58 AM
To: 'Rodney Raimonde'
Subject: RE:

Importance: Low

Proceed with the VOC analysis using the 4-oz jar samples. Thanks.

Tony Pace
Associate
Malcolm Pirnie, Inc.
701 Town Center Dr, Suite 600
Newport News, VA 23606
(757) 873-4434 (Phone)
(757) 873-8723 (Fax)
tpace@pirnie.com

-----Original Message-----

From: Rodney Raimonde [mailto:rraimonde@compuchemlabs.com]
Sent: Saturday, December 07, 2002 2:53 PM
To: Tony Pace
Subject:

Tony;

We have been out of power since Wednesday evening due to an ice storm.

We received some encore samples that were taken on the 4th of the month and per protocol, have to be preserved within 48 hours, so the holding times have expired. We do have a 4oz jar that we could use for VOC if you wish. Please let me know.

Rodney A. Raimonde
Project Manager National Accounts
CompuChem
919-379-4018
919-379-4040(fax)

Page 4 of 1

| | | | | |
|-------------------------------|---------------------------------------|-------------|------------------|-----|
| Client: <u>Malcolm Pezzie</u> | Rec'd Date: <u>12-12-02</u> | PPS/RFA | Lab Instructions | 153 |
| Project: <u>80 DRS</u> | Courier: <u>UPS</u> | | | |
| Quote: <u>Q-2813</u> | Airbill No. <u>12 250 09K 22 1002</u> | <u>0453</u> | | |
| Login No. <u>12812</u> | | | | |
| Subcontract? <u>Y / 08</u> | | | | |
| TAT Verbal <u>Report 21</u> | | | | |

| | |
|---|---------------------|
| Cooler Rec'd By: | <i>Campbell</i> |
| Sample Login By: | <i>Dr. O'Rourke</i> |
| Temperature: | 7.8°C |
| Cyanide Samples checked for sulfide & chlorine? | Y / NA |
| Phenol Samples checked for chlorine? | Y / NA |
| Received in Good Condition? | Y / N |
| If no, explain: | |

| Cooler Rec'd By: <u>Chris Lee</u> | | | | | | Parameters | | | | | | | | | | | | | | | |
|--|-----------|-----|--------|-------------------|---------------|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|
| Sample Login By: <u>ST. O'Rourke</u> | | | | | | IAG | | KELLOC | | TAMCO | | THMCO | | | | | | | | | |
| Temperature: <u>7.8 °C</u> | | | | | | | | | | | | | | | | | | | | | |
| Cyanide Samples checked for sulfide & chlorine? Y / NA | | | | | | | | | | | | | | | | | | | | | |
| Phenol Samples checked for chlorine? Y / NA | | | | | | | | | | | | | | | | | | | | | |
| Received in Good Condition? Y / N | | | | | | | | | | | | | | | | | | | | | |
| If no, explain: | | | | | | | | | | | | | | | | | | | | | |
| CompuChem ID | Client ID | Q C | Matrix | Date 20 <u>02</u> | Military Time | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H |
| 22812-18 | 6MW055 | | 30 | 12/10 | : | 1.502 jn | | 1.402 jn | | 1.402 jn | | 1.302 jn | | | | | | | | | |
| ↓ 19 | 6MW09 | | ↓ | ↓ | : | ↓ | | ↓ | | ↓ | | ↓ | | | | | | | | | |
| ↓ 20 | 6MW06 | | ↓ | ↓ | : | ↓ | | ↓ | | ↓ | | ↓ | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Container Type Abbreviations: 40ml (40ml. vial) AL (Amber Liter) PL (Plastic Liter) 500P (500mL Plastic) 250P (250mL Plastic) OTHER

rl - (6/28/01) - dce



COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068032

154

| | | |
|------------------------------------|-----------------------------------|--|
| Project Name: 80 DRS | Client Address: Malcolm Pirnie | Point-of-Contact: Tony Pace |
| Carrier: <u>UPS</u> | 701 Town Center Drive, #600 | Telephone No.: 757-873-8700 |
| Airbill No.: | Newport News, VA 23606 | Sampling complete? <u>Y</u> or N (see Note 1) |
| Sampler Name: <u>Gerlyn Perlas</u> | Sampler Signature: | Project-specific (PS) or Batch (B) QC? <u>PS</u> |

| | | | | | | | |
|--|---|---|--|--|--|--|---------|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rheate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 360 S. SW-846 W. CWA 600-series O. Other _____ | T. TCLP |
|--|---|---|--|--|--|--|---------|

| Sample ID (9 characters maximum) | Date: Year | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | OA / G / TPH | TPH DRO | TPH GLO | LEOW | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|--------------|---------|---------|------|---|
| 6 MW 055 | 12/10 | 11:00 | 5 | F | U | | 0 | 4 | | ✓ | | | | | | | | | ✓ | ✓ | ✓ | |
| 6 MW 09 | 12/10 | 14:00 | 5 | F | U | | 0 | 4 | | X | | | | | | | | | X | X | X | |
| 6 MW 06 | 12/10 | 14:00 | 5 | F | U | | 0 | 4 | | X | | | | | | | | | X | X | X | |
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|--|-----------------------|---------------------------|-------|
| Client's Special Instructions: | | Temperature <u>7.2</u> °C | |
| Lab: Received in Good Condition? Y or N Describe Problems, if any: | | | |
| #1 Relinquished By: (Sig) <u>Malcolm Pirnie</u> | Date: <u>12/11/02</u> | #2 Relinquished By: (Sig) | Date: |
| Company Name: <u>Malcolm Pirnie</u> | Time: <u>14:00</u> | Company Name: | Time: |
| #1 Received By: (Sig) <u>Gerlyn Perlas</u> | Date: <u>12-12-02</u> | #2 Received By: (Sig) | Date: |
| Company Name: <u>CompuChem</u> | Time: | Company Name: | Time: |
| #3 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |
| #3 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.



CompuChem

a division of Liberty Analytical Corporation

QUALITY ASSURANCE NOTICE

Client Harold Peerie Inc
Case # _____
Type of Analysis _____
Receipt Date 12-12-02

For some organic and/or inorganic determinations temperature preservation at 4 degrees Celsius is required for environmental samples during shipment to the laboratory and prior to analysis. A temperature tolerance range is generally allowed. Temperature of a representative sample from the shipping container is taken and recorded by the receiving clerk at the time of sample receipt. This temperature is representative of all samples contained in the cooler. The EPA CLP program requires the laboratory make notification when the temperature exceeds 10 degrees Celsius. The State of North Carolina allows a range of 2-4.4° Celsius. Notification to other clients is either client or project dependent.

Samples that are hand delivered to the laboratory immediately after collection may not meet this criteria. In these cases, the samples shall be considered acceptable if there is evidence that the chilling process has begun, such as arrival on ice.

The temperature of this sample at the time of receipt was determined to be 7.2°C

A CompuChem customer service representative contacted the client. The client instructed the Receiving department to:

Hand Delivery/Received on ice ☒

Analyze - qualify with notice ☒

Dispose - client will resample ☐

Supervisor Signature/ID

[Signature]

Date

12-12-02

QAN-R-3
020205

qanr3 - 2/5/02:dce

CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG #R2812

SAMPLE IDENTIFICATIONS: SSMW10-1 SS-SB03-0 SS-SB03-1 SS-SB03-4 SS-SB02-0 SS-SB02-1 SS-SB02-4
SS-SB01-0 SS-SB01-1 SS-SB01-4 SS-SB04-0 SS-SB04-1 SS-SB04-4 SS-SB05-0 SS-SB05-1 SS-SB05-4
SS-MW11-0 ~~GMW055~~ ~~GMW09~~ ~~GMW06~~

The twenty soil samples listed above were received intact, at 3.5, 4.9, 2.0, 4.0, and 7.2 degrees C, with proper documentation, in sealed shipping containers, on December 04, 06, and 12, 2002. The client was contacted about the elevated receipt temperature, and the laboratory was instructed to proceed with sample analysis.

The majority of samples were submitted for volatile, TOC, semivolatile, pesticide-PCB, and metals analysis, however samples GMW055, GMW09, and GMW06 were submitted for volatile, metals, GRO, and DRO analysis. The volatile samples were prepared and analyzed following SW846 Method 8260B, and this portion of the SDG narrative will only cover the volatile data. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # R2812 are included in the sample data sections. Analysis holding time requirements were met for all of these samples, and sample dry weight values ranged from 1 to 21 percent. All samples were received in jars, except for sample SSMW10-1 which was received in EnCore samplers.

The target analytes acetone, methylene chloride, and tetrachloroethene were the most frequently identified at levels above the reporting limits in the submitted samples.

Other than laboratory siloxane and artifact peaks, late eluting Tentatively Identified Compounds (TICs) were present in several samples, and were generally characterized as substituted benzenes, and naphthalenes.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples, and all of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all QC criteria, and did not contain any target analytes above the reporting limits.

Duplicate matrix spikes were generated from the original SSMW10-1 as requested, and met all QC precision and accuracy criteria without exception. The associated Laboratory Control Samples(LCSs) met all accuracy criteria.

Manual quantitations were performed on the process files in the associated initial and continuing calibration(s). The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Roy Sutton

Case Reviewer

December 20, 2002

2A

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE N

VBLKAE

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: WG21741-2A52_TC4

Lab Sample ID: WG21741-2

Date Analyzed: 12/10/02

Time Analyzed: 1316

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: F50052

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|------------|------------------|----------------|------------------|
| 01 | VAELCS | WG21741-5 | WG21741-5R2A | 1653 |
| 02 | SS-SB03-0 | R2812-2 | R2812-2A52 | 2132 |
| 03 | SS-SB03-1 | R2812-3 | R2812-3A52 | 2202 |
| 04 | SS-SB03-4 | R2812-4 | R2812-4A52 | 2233 |
| 05 | SS-SB02-0 | R2812-5 | R2812-5A52 | 2303 |
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKAE

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21741-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: WG21741-2A52_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

| | | | |
|-----------------|------------------------------|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 5 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBKAE

Lab Name: COMPUCEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21741-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: WG21741-2A52_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 1 | J |
| 1330-20-7----- | Xylene (total) | 15 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKAE

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21741-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: WG21741-2A52_T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/10/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE N

VBLKCX

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: WG21851-1R2A59

Lab Sample ID: WG21851-1

Date Analyzed: 12/11/02

Time Analyzed: 1223

GC Column: ZB624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|-------------|------------------|----------------|------------------|
| | ===== | ===== | ===== | ===== |
| 01 | VCXLCS | WG21851-4 | WG21851-4RA5 | 1424 |
| 02 | SSMW10-1 | R2812-1 | R2812-1RA59 | 1757 |
| 03 | SSMW10-1MS | WG21851-6 | WG21851-6A59 | 1822 |
| 04 | SSMW10-1MSD | WG21851-7 | WG21851-7A59 | 1847 |
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKCX

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21851-1

Sample wt/vol: 5.00(g/mL) G

Lab File ID: WG21851-1R2A59

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 0.6 | J |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 1 | J |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 2 | J |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.8 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLCX

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21851-1

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: WG21851-1R2A59

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|----|---|
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 98-82-8 | Isopropyl Benzene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7 | Xylene (total) | 15 | U |
| 79-20-9 | Methyl acetate | 5 | U |
| 110-82-7 | Cyclohexane | 5 | U |
| 108-87-2 | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKCX

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21851-1

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: WG21851-1R2A59

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/11/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKCY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: WG21851-2A59

Lab Sample ID: WG21851-2

Date Analyzed: 12/12/02

Time Analyzed: 1027

GC Column: ZB624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|------------|------------------|----------------|------------------|
| | ===== | ===== | ===== | ===== |
| 01 | VCYLCS | WG21851-5 | WG21851-5A59 | 1113 |
| 02 | SS-SB02-1 | R2812-6 | R2812-6RA59 | 1320 |
| 03 | SS-SB02-4 | R2812-7 | R2812-7A59 | 1359 |
| 04 | SS-SB01-1 | R2812-9 | R2812-9A59 | 1451 |
| 05 | SS-SB01-4 | R2812-10 | R2812-10A59 | 1516 |
| 06 | SS-SB04-0 | R2812-11 | R2812-11A59 | 1541 |
| 07 | SS-SB04-1 | R2812-12 | R2812-12A59 | 1606 |
| 08 | SS-SB04-4 | R2812-13 | R2812-13A59 | 1634 |
| 09 | SS-SB05-0 | R2812-14 | R2812-14A59 | 1659 |
| 10 | SS-SB05-1 | R2812-15 | R2812-15A59 | 1724 |
| 11 | SS-SB05-4 | R2812-16 | R2812-16A59 | 1750 |
| 12 | SS-MW11-0 | R2812-17 | R2812-17A59 | 1815 |
| 13 | SS-SB01-0 | R2812-8 | R2812-8RA59 | 1840 |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
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| 29 | | | | |
| 30 | | | | |

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

VBLKCY

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21851-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: WG21851-2A59

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 5 | U |
| 75-09-2----- | Methylene Chloride | 13 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 2 | J |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 5 | U |
| 67-66-3----- | Chloroform | 13 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 5 | U |
| 108-88-3----- | Toluene | 13 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 0.8 | J |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 5 | U |
| 124-48-1----- | Dibromochloromethane | 13 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |
| | | 5 | U |

FORM 1 VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKCY

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21851-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: WG21851-2A59

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

| | | | |
|-----------|-----------------------------|-----|---|
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 98-82-8 | Isopropyl Benzene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 0.3 | J |
| 106-46-7 | 1,4-Dichlorobenzene | 0.2 | J |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 15 | U |
| 1330-20-7 | Xylene (total) | 5 | U |
| 79-20-9 | Methyl acetate | 5 | U |
| 110-82-7 | Cyclohexane | 5 | U |
| 108-87-2 | Methylcyclohexane | | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

VBLKCY

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21851-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: WG21851-2A59

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/12/02

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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| 30. | | | | |

FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLKCH

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: WG21845-3A52_TC4

Lab Sample ID: WG21845-3

Date Analyzed: 12/19/02

Time Analyzed: 1106

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: F50052

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|------------------------|------------------|----------------|------------------|
| 01 VGS LCS | WG22043-4 | WG22043-4A52 | 1154 |
| 020 CMW05 S | R2812-18 | R2812-18A52 | 1248 |
| 034 CMW09 | R2812-19 | R2812-19A52 | 1319 |
| 040 CMW06 | R2812-20 | R2812-20A52 | 1349 |
| 05 | | | |
| 06 | | | |
| 07 | | | |
| 08 | | | |
| 09 | | | |
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| 11 | | | |
| 12 | | | |
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| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

VBLKCH

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21845-3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: WG21845-3A52_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

| | | | |
|-----------------|---------------------------------------|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-trifluoroethane | 5 | U |
| 67-64-1----- | Acetone | 5 | U |
| 75-09-2----- | Methylene Chloride | 13 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 5 | U |
| 67-66-3----- | Chloroform | 13 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 5 | U |
| 108-88-3----- | Toluene | 13 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 5 | U |
| 124-48-1----- | Dibromochloromethane | 13 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |
| | | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKCH

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21845-3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: WG21845-3A52_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|-----------|-----------------------------|----|---|
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 98-82-8 | Isopropyl Benzene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | J |
| 1330-20-7 | Xylene (total) | 15 | U |
| 79-20-9 | Methyl acetate | 5 | U |
| 110-82-7 | Cyclohexane | 5 | U |
| 108-87-2 | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

VBLKCH

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21845-3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: WG21845-3A52_T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/19/02

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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FORM I VOA-TIC

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: BF02111252A

BFB Injection Date: 11/12/02

Instrument ID: F50052

BFB Injection Time: 0731

GC Column: DB624 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 17.3 |
| 75 | 30.0 - 60.0% of mass 95 | 41.9 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.0 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 53.9 |
| 175 | 5.0 - 9.0% of mass 174 | 3.6 (6.7)1 |
| 176 | 95.0 - 101.0% of mass 174 | 52.9 (98.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.4 (6.4)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CS021112A52 | 11/12/02 | 0757 |
| 02 | VSTD020 | VSTD020 | CT021112A52 | 11/12/02 | 0846 |
| 03 | VSTD010 | VSTD010 | CU021112A52 | 11/12/02 | 0920 |
| 04 | VSTD005 | VSTD005 | CV021112A52 | 11/12/02 | 0954 |
| 05 | VSTD100 | VSTD100 | CW021112A52 | 11/12/02 | 1028 |
| 06 | VSTD200 | VSTD200 | CX021112A52 | 11/12/02 | 1102 |
| 07 | | | | | |
| 08 | | | | | |
| 09 | | | | | |
| 10 | | | | | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: BF021210A52

BFB Injection Date: 12/10/02

Instrument ID: F50052

BFB Injection Time: 1118

GC Column: DB624

ID: 0.53 (mm)

Heated Purge: (Y/N) Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 18.0 |
| 75 | 30.0 - 60.0% of mass 95 | 44.6 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.9 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 56.8 |
| 175 | 5.0 - 9.0% of mass 174 | 3.7 (6.6)1 |
| 176 | 95.0 - 101.0% of mass 174 | 54.5 (96.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.5 (6.4)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CT021210A52 | 12/10/02 | 1228 |
| 02 | VLKAE | WG21741-2 | WG21741-2A52 T | 12/10/02 | 1316 |
| 03 | VAELCS | WG21741-5 | WG21741-5R2A52 | 12/10/02 | 1653 |
| 04 | SS-SB03-0 | R2812-2 | R2812-2A52 | 12/10/02 | 2132 |
| 05 | SS-SB03-1 | R2812-3 | R2812-3A52 | 12/10/02 | 2202 |
| 06 | SS-SB03-4 | R2812-4 | R2812-4A52 | 12/10/02 | 2233 |
| 07 | SS-SB02-0 | R2812-5 | R2812-5A52 | 12/10/02 | 2303 |
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: BG021210A59

BFB Injection Date: 12/10/02

Instrument ID: 5972HP59

BFB Injection Time: 1252

GC Column: ZB624

ID: 0.32 (mm)

Heated Purge: (Y/N) Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 15.8 |
| 75 | 30.0 - 60.0% of mass 95 | 45.4 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.5 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 94.7 |
| 175 | 5.0 - 9.0% of mass 174 | 6.9 (7.2)1 |
| 176 | 95.0 - 101.0% of mass 174 | 91.4 (96.5)1 |
| 177 | 5.0 - 9.0% of mass 176 | 6.0 (6.5)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD005 | VSTD005 | GS021210A59 | 12/10/02 | 1306 |
| 02 | VSTD010 | VSTD010 | GT021210A59 | 12/10/02 | 1332 |
| 03 | VSTD020 | VSTD020 | GU021210A59 | 12/10/02 | 1358 |
| 04 | VSTD050 | VSTD050 | GV021210A59 | 12/10/02 | 1424 |
| 05 | VSTD100 | VSTD100 | GW021210A59 | 12/10/02 | 1450 |
| 06 | VSTD200 | VSTD200 | GX021210A59 | 12/10/02 | 1516 |
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: BF021211A59

BFB Injection Date: 12/11/02

Instrument ID: 5972HP59

BFB Injection Time: 0926

GC Column: ZB624

ID: 0.32 (mm)

Heated Purge: (Y/N) Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 16.1 |
| 75 | 30.0 - 60.0% of mass 95 | 46.2 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 89.8 |
| 175 | 5.0 - 9.0% of mass 174 | 6.4 (7.1)1 |
| 176 | 95.0 - 101.0% of mass 174 | 86.9 (96.8)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.5 (6.3)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CS021211A59 | 12/11/02 | 0953 |
| 02 | VBLKCX | WG21851-1 | WG21851-1R2A59 | 12/11/02 | 1223 |
| 03 | VCXLCS | WG21851-4 | WG21851-4RA59 | 12/11/02 | 1424 |
| 04 | SSMW10-1 | R2812-1 | R2812-1RA59 | 12/11/02 | 1757 |
| 05 | SSMW10-1MS | WG21851-6 | WG21851-6A59 | 12/11/02 | 1822 |
| 06 | SSMW10-1MSD | WG21851-7 | WG21851-7A59 | 12/11/02 | 1847 |
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page 1 of 1

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: BF021212A59

BFB Injection Date: 12/12/02

Instrument ID: 5972HP59

BFB Injection Time: 0817

GC Column: ZB624

ID: 0.32 (mm)

Heated Purge: (Y/N) Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 17.4 |
| 75 | 30.0 - 60.0% of mass 95 | 48.1 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 86.6 |
| 175 | 5.0 - 9.0% of mass 174 | 6.2 (7.2)1 |
| 176 | 95.0 - 101.0% of mass 174 | 83.6 (96.6)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.7 (6.9)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CT021212A59 | 12/12/02 | 0940 |
| 02 | VBLKCY | WG21851-2 | WG21851-2A59 | 12/12/02 | 1027 |
| 03 | VCYLCS | WG21851-5 | WG21851-5A59 | 12/12/02 | 1113 |
| 04 | SS-SB02-1 | R2812-6 | R2812-6RA59 | 12/12/02 | 1320 |
| 05 | SS-SB02-4 | R2812-7 | R2812-7A59 | 12/12/02 | 1359 |
| 06 | SS-SB01-1 | R2812-9 | R2812-9A59 | 12/12/02 | 1451 |
| 07 | SS-SB01-4 | R2812-10 | R2812-10A59 | 12/12/02 | 1516 |
| 08 | SS-SB04-0 | R2812-11 | R2812-11A59 | 12/12/02 | 1541 |
| 09 | SS-SB04-1 | R2812-12 | R2812-12A59 | 12/12/02 | 1606 |
| 10 | SS-SB04-4 | R2812-13 | R2812-13A59 | 12/12/02 | 1634 |
| 11 | SS-SB05-0 | R2812-14 | R2812-14A59 | 12/12/02 | 1659 |
| 12 | SS-SB05-1 | R2812-15 | R2812-15A59 | 12/12/02 | 1724 |
| 13 | SS-SB05-4 | R2812-16 | R2812-16A59 | 12/12/02 | 1750 |
| 14 | SS-MW11-0 | R2812-17 | R2812-17A59 | 12/12/02 | 1815 |
| 15 | SS-SB01-0 | R2812-8 | R2812-8RA59 | 12/12/02 | 1840 |
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: BG021218A52

BFB Injection Date: 12/18/02

Instrument ID: F50052

BFB Injection Time: 0921

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 17.7 |
| 75 | 30.0 - 60.0% of mass 95 | 40.7 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.9 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 60.7 |
| 175 | 5.0 - 9.0% of mass 174 | 3.9 (6.5)1 |
| 176 | 95.0 - 101.0% of mass 174 | 59.3 (97.7)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.4 (5.7)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CU021218A52 | 12/18/02 | 1236 |
| 02 | VSTD020 | VSTD020 | CV021218A52 | 12/18/02 | 1307 |
| 03 | VSTD010 | VSTD010 | CW021218A52 | 12/18/02 | 1337 |
| 04 | VSTD005 | VSTD005 | CX021218A52 | 12/18/02 | 1428 |
| 05 | VSTD100 | VSTD100 | CY021218A52 | 12/18/02 | 1459 |
| 06 | VSTD200 | VSTD200 | CZ021218A52 | 12/18/02 | 1529 |
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2812
Lab File ID: BF021219A52 BFB Injection Date: 12/19/02
Instrument ID: F50052 BFB Injection Time: 0935
GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 16.7 |
| 75 | 30.0 - 60.0% of mass 95 | 41.3 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.5 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 73.4 |
| 175 | 5.0 - 9.0% of mass 174 | 5.0 (6.8)1 |
| 176 | 95.0 - 101.0% of mass 174 | 69.8 (95.1)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.4 (6.3)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CS021219A52 | 12/19/02 | 1009 |
| 02 | VBLKCH | WG21845-3 | WG21845-3A52_T | 12/19/02 | 1106 |
| 03 | VGSLCS | WG22043-4 | WG22043-4A52_T | 12/19/02 | 1154 |
| 04 | GMW055 | R2812-18 | R2812-18A52 | 12/19/02 | 1248 |
| 05 | GMW09 | R2812-19 | R2812-19A52 | 12/19/02 | 1319 |
| 06 | GMW06 | R2812-20 | R2812-20A52 | 12/19/02 | 1349 |
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CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE SDG: R2812

SAMPLE IDENTIFICATIONS: SSMW10-1, SS-SB03-0, SS-SB03-1, SS-SB03-4, SS-SB02-0, SS-SB02-1, SS-SB02-4, SS-SB01-0, SS-SB01-1, SS-SB01-4, SS-SB04-0, SS-SB04-1, SS-SB04-4, SS-SB05-0, SS-SB05-1, SS-SB05-4, SS-MW11-0, SS-SB03-0DL

The 17 soil samples listed above were scheduled for the requested analysis of the semivolatile fraction. SW-846, 3rd Edition, Update 3 Method 3550B and Method 8270C were used to prepare and analyze these samples. This portion of the SDG narrative deals with the semivolatile fraction only. All pertinent Quality Assurance Notices are included in the narrative section and all pertinent Laboratory Notices for SDG R2812 are included in the sample data sections.


Semivolatile Section:

Extraction and analysis holding time requirements were met for these samples. There were a few semivolatile Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in these samples. Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Sample SS-SB03-0 was analyzed at a 5X dilution due to overlimits of several PAH target compounds. Both analyses are being reported. Samples SS-SB05-0 and SS-SB04-0 were initially analyzed at 3X dilutions due to the appearance of the extract, which was extremely dark.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. All samples met QC recovery criteria for surrogates. All of the internal standards met response and retention time criteria. The associated method blanks met all quality control criteria. Sample SSMW10-1 was used to prepare the duplicate matrix spikes and with the exception of one recovery and two RPDs, met all QC criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Richard M. Henson
Technical Director
December 20, 2002

QUALITY ASSURANCE NOTICE

CompuChem ID# R2812-3

Client ID# SS-SB03-1

SDG # R2812

In the continuing calibration standard associated with the above semivolatile sample, benzo(b)fluoranthene and benzo(k)fluoranthene were chromatographically resolved and were identified as separate peaks with different retention times. However, in the above sample, these isomers could not be chromatographically resolved. This is indicated with an "X" flag on the Form I.

The maximum concentration possible for each compound has been reported by basing each calculation on the entire area of the unresolved peaks. The concentration for each isomer was calculated using the appropriate compound-specific response factor. An Extracted Ion Current Profile (EICP) for each of the isomers has been provided.

If either value exceeds the concentration of the upper level standard in the initial calibration, a diluted analysis will be performed.

In some instances, there may be slight differences in the areas of the unresolved peaks presented on the EICPs for the two isomers. This can be attributed to the small variations in the retention time windows used to quantitate the compounds, and also to any manual integrations that may have been required.

This notice is being provided to the end-user to explain the "X" flags, and the selected means of reporting the values for benzo(b)fluoranthene and benzo(k)fluoranthene.

Reviewer's initials/ID VR /2391

Date: 12/18/02

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

Lab Name: COMPUCHEM

Method: 8270C

SBLKAT

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: WG21782-1A64

Lab Sample ID: WG21782-1

Instrument ID: 5972HP64

Date Extracted: 12/08/02

Matrix: (soil/water) SOIL

Date Analyzed: 12/12/02

Level: (low/med) LOW

Time Analyzed: 1620

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|----|-------------|------------------|----------------|------------------|
| 01 | SATLCS | WG21782-2 | WG21782-2JA6 | 12/12/02 |
| 02 | SSMW10-1 | R2812-1 | R2812-1A64 | 12/13/02 |
| 03 | SSMW10-1MS | WG21782-5 | WG21782-5A64 | 12/13/02 |
| 04 | SSMW10-1MSD | WG21782-6 | WG21782-6A64 | 12/13/02 |
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COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLKAT

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21782-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21782-1A64

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/08/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

| | | |
|---|-----|---|
| 100-52-7-----Benzaldehyde | 330 | U |
| 108-95-2-----Phenol | 330 | U |
| 111-44-4-----Bis(2-chloroethyl) ether | 330 | U |
| 95-57-8-----2-Chlorophenol | 330 | U |
| 95-48-7-----2-Methylphenol | 330 | U |
| 108-60-1-----2,2'-oxybis(1-Chloropropane) | 330 | U |
| 98-86-2-----Acetophenone | 330 | U |
| 106-44-5-----4-Methylphenol | 330 | U |
| 621-64-7-----N-Nitroso-di-N-propylamine | 330 | U |
| 67-72-1-----Hexachloroethane | 330 | U |
| 98-95-3-----Nitrobenzene | 330 | U |
| 78-59-1-----Isophorone | 330 | U |
| 88-75-5-----2-Nitrophenol | 330 | U |
| 105-67-9-----2,4-Dimethylphenol | 330 | U |
| 111-91-1-----Bis(2-chloroethoxy) methane | 330 | U |
| 120-83-2-----2,4-Dichlorophenol | 330 | U |
| 91-20-3-----Naphthalene | 330 | U |
| 106-47-8-----4-Chloroaniline | 330 | U |
| 87-68-3-----Hexachlorobutadiene | 330 | U |
| 105-60-2-----Caprolactam | 330 | U |
| 59-50-7-----4-Chloro-3-methylphenol | 330 | U |
| 91-57-6-----2-Methylnaphthalene | 330 | U |
| 77-47-4-----Hexachlorocyclopentadiene | 330 | U |
| 88-06-2-----2,4,6-Trichlorophenol | 330 | U |
| 95-95-4-----2,4,5-Trichlorophenol | 330 | U |
| 92-52-4-----1,1'-Biphenyl | 330 | U |
| 91-58-7-----2-Chloronaphthalene | 330 | U |
| 88-74-4-----2-Nitroaniline | 660 | U |
| 131-11-3-----Dimethylphthalate | 330 | U |
| 606-20-2-----2,6-Dinitrotoluene | 330 | U |
| 208-96-8-----Acenaphthylene | 330 | U |
| 99-09-2-----3-Nitroaniline | 660 | U |
| 83-32-9-----Acenaphthene | 330 | U |

FORM I SV

8270C

1123

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8270C

SBLKAT

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21782-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21782-1A64

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/08/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 660 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 330 | U |
| 132-64-9----- | Dibenzofuran | 330 | U |
| 84-66-2----- | Diethylphthalate | 330 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 330 | U |
| 86-73-7----- | Fluorene | 330 | U |
| 100-01-6----- | 4-Nitroaniline | 330 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 660 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 660 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1----- | Hexachlorobenzene | 330 | U |
| 1912-24-9----- | Atrazine | 330 | U |
| 87-86-5----- | Pentachlorophenol | 330 | U |
| 85-01-8----- | Phenanthrene | 330 | U |
| 120-12-7----- | Anthracene | 330 | U |
| 86-74-8----- | Carbazole | 330 | U |
| 84-74-2----- | Di-n-butylphthalate | 330 | U |
| 206-44-0----- | Fluoranthene | 330 | U |
| 129-00-0----- | Pyrene | 330 | U |
| 85-68-7----- | Butylbenzylphthalate | 330 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 330 | U |
| 117-81-7----- | bis(2-ethylhexyl)Phthalate | 330 | U |
| 56-55-3----- | Benzo(a)anthracene | 35 | J |
| 218-01-9----- | Chrysene | 330 | U |
| 117-84-0----- | Di-n-octylphthalate | 330 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 330 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 330 | U |
| 50-32-8----- | Benzo(a)pyrene | 330 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 330 | U |
| 53-70-3----- | Dibenzo(a,h)anthracene | 330 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

1124

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLKAT

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21782-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21782-1A64

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/08/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/12/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 7

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|------------------------------|-------|------------|----|
| 1. | UNKNOWN (BC) | 5.35 | 380 | J |
| 2. | UNKNOWN (BC) | 5.64 | 590 | J |
| 3. 1123-96-2 | 2-ETHYL-3,5-DIMETHYLPYRIDINE | 6.84 | 190 | NJ |
| 4. | UNKNOWN (BC) | 6.87 | 1000 | J |
| 5. | UNKNOWN (BC) | 7.25 | 340 | J |
| 6. | UNKNOWN (BC) | 7.63 | 350 | J |
| 7. | UNKNOWN (BC) | 14.09 | 180 | J |
| 8. | | | | |
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FORM I SV-TIC

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NC

SBLK BK

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: WG21803-1JA64

Lab Sample ID: WG21803-1

Instrument ID: 5972HP64

Date Extracted: 12/10/02

Matrix: (soil/water) SOIL

Date Analyzed: 12/16/02

Level: (low/med) LOW

Time Analyzed: 1420

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|----|-------------|------------------|----------------|------------------|
| 01 | SBKLCS | WG21803-2 | WG21803-2A64 | 12/16/02 |
| 02 | SS-SB03-0 | R2812-2 | R2812-2A64 | 12/16/02 |
| 03 | SS-SB03-1 | R2812-3 | R2812-3A64 | 12/16/02 |
| 04 | SS-SB03-4 | R2812-4 | R2812-4A64 | 12/16/02 |
| 05 | SS-SB02-0 | R2812-5 | R2812-5A64 | 12/16/02 |
| 06 | SS-SB02-1 | R2812-6 | R2812-6A64 | 12/16/02 |
| 07 | SS-SB02-4 | R2812-7 | R2812-7A64 | 12/16/02 |
| 08 | SS-SB01-0 | R2812-8 | R2812-8A64 | 12/16/02 |
| 09 | SS-SB01-1 | R2812-9 | R2812-9A64 | 12/16/02 |
| 10 | SS-SB01-4 | R2812-10 | R2812-10A64 | 12/16/02 |
| 11 | SS-SB04-0 | R2812-11 | R2812-11DA64 | 12/16/02 |
| 12 | SS-SB04-1 | R2812-12 | R2812-12A64 | 12/16/02 |
| 13 | SS-SB04-4 | R2812-13 | R2812-13A64 | 12/16/02 |
| 14 | SS-SB05-0 | R2812-14 | R2812-14DB64 | 12/17/02 |
| 15 | SS-SB05-1 | R2812-15 | R2812-15B64 | 12/17/02 |
| 16 | SS-SB05-4 | R2812-16 | R2812-16B64 | 12/17/02 |
| 17 | SS-MW11-0 | R2812-17 | R2812-17B64 | 12/18/02 |
| 18 | SS-SB03-ODL | R2812-2 | R2812-2DB64 | 12/18/02 |
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COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLKKBK

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21803-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21803-1JA64

Level: (low/med) LOW

Date Received: _____

% Moisture: 0

decanted: (Y/N) N

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

| CAS NO. | COMPOUND | | |
|----------|------------------------------|-----|---|
| 100-52-7 | Benzaldehyde | 330 | U |
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 330 | U |
| 95-57-8 | 2-Chlorophenol | 330 | U |
| 95-48-7 | 2-Methylphenol | 330 | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 330 | U |
| 98-86-2 | Acetophenone | 330 | U |
| 106-44-5 | 4-Methylphenol | 330 | U |
| 621-64-7 | N-Nitroso-di-N-propylamine | 330 | U |
| 67-72-1 | Hexachloroethane | 330 | U |
| 98-95-3 | Nitrobenzene | 330 | U |
| 78-59-1 | Isophorone | 330 | U |
| 88-75-5 | 2-Nitrophenol | 330 | U |
| 105-67-9 | 2,4-Dimethylphenol | 330 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 330 | U |
| 120-83-2 | 2,4-Dichlorophenol | 330 | U |
| 91-20-3 | Naphthalene | 330 | U |
| 106-47-8 | 4-Chloroaniline | 330 | U |
| 87-68-3 | Hexachlorobutadiene | 330 | U |
| 105-60-2 | Caprolactam | 330 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 330 | U |
| 92-52-4 | 1,1'-Biphenyl | 330 | U |
| 91-58-7 | 2-Chloronaphthalene | 660 | U |
| 88-74-4 | 2-Nitroaniline | 330 | U |
| 131-11-3 | Dimethylphthalate | 330 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 330 | U |
| 208-96-8 | Acenaphthylene | 660 | U |
| 99-09-2 | 3-Nitroaniline | 330 | U |
| 83-32-9 | Acenaphthene | | |

FORM I SV

8270C

1143

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM
Lab Code: LIBRTY Case No.:
Matrix: (soil/water) SOIL
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW
% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000 (uL)
Injection Volume: 1.0 (uL)
GPC Cleanup: (Y/N) N pH: _____

Method: 8270C
SAS No.:
SDG No.: R2812
Lab Sample ID: WG21803-1
Lab File ID: WG21803-1JA64
Date Received: _____
Date Extracted: 12/10/02
Date Analyzed: 12/16/02
Dilution Factor: 1.0

SBLK BK

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

| | | | |
|-----------|----------------------------|------|---|
| 51-28-5 | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7 | 4-Nitrophenol | 660 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 330 | U |
| 132-64-9 | Dibenzofuran | 330 | U |
| 84-66-2 | Diethylphthalate | 330 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 330 | U |
| 86-73-7 | Fluorene | 330 | U |
| 100-01-6 | 4-Nitroaniline | 330 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 660 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 660 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1 | Hexachlorobenzene | 330 | U |
| 1912-24-9 | Atrazine | 330 | U |
| 87-86-5 | Pentachlorophenol | 330 | U |
| 85-01-8 | Phenanthrene | 330 | U |
| 120-12-7 | Anthracene | 330 | U |
| 86-74-8 | Carbazole | 330 | U |
| 84-74-2 | Di-n-butylphthalate | 330 | U |
| 206-44-0 | Fluoranthene | 330 | U |
| 129-00-0 | Pyrene | 330 | U |
| 85-68-7 | Butylbenzylphthalate | 330 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 330 | U |
| 117-81-7 | bis(2-ethylhexyl)Phthalate | 330 | U |
| 56-55-3 | Benzo(a)anthracene | 330 | U |
| 218-01-9 | Chrysene | 330 | U |
| 117-84-0 | Di-n-octylphthalate | 330 | U |
| 205-99-2 | Benzo(b)fluoranthene | 330 | U |
| 207-08-9 | Benzo(k)fluoranthene | 330 | U |
| 50-32-8 | Benzo(a)pyrene | 330 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 330 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 330 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine
FORM I SV

8270C

1144

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK BK

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Matrix: (soil/water) SOIL

Lab Sample ID: WG21803-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: WG21803-1JA64

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/10/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|---|
| 1. | UNKNOWN (BC) | 5.37 | 300 | J |
| 2. | UNKNOWN (BC) | 5.66 | 1300 | J |
| 3. | | | | |
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FORM I SV-TIC

1145

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: R2812

Lab File ID: DF021213A64

DFTPP Injection Date: 12/13/02

Instrument ID: 5972HP64

DFTPP Injection Time: 0851

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 80.0% of mass 198 | 40.6 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 52.8 |
| 70 | Less than 2.0% of mass 69 | 0.3 (0.5)1 |
| 127 | 25.0 - 75.0% of mass 198 | 41.7 |
| 197 | Less than 1.0% of mass 198 | 0.1 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 7.0 |
| 275 | 10.0 - 30.0% of mass 198 | 20.8 |
| 365 | Greater than 0.75% of mass 198 | 2.57 |
| 441 | Present, but less than mass 443 | 10.7 |
| 442 | 40.0 - 110.0% of mass 198 | 74.8 |
| 443 | 15.0 - 24.0% of mass 442 | 14.0 (18.7)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD080 | SSTD080 | HG021213A64 | 12/13/02 | 0915 |
| 02 | SSMW10-1 | R2812-1 | R2812-1A64 | 12/13/02 | 1218 |
| 03 | SSMW10-1MS | WG21782-5 | WG21782-5A64 | 12/13/02 | 1253 |
| 04 | SSMW10-1MSD | WG21782-6 | WG21782-6A64 | 12/13/02 | 1328 |
| 05 | | | | | |
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page 1 of 1

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

b Name: COMPUCHEM Method: 8270C
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: R2812
Lab File ID: DF021217B64 DFTPP Injection Date: 12/17/02
Instrument ID: 5972HP64 DFTPP Injection Time: 1821

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 80.0% of mass 198 | 40.8 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 56.8 |
| 70 | Less than 2.0% of mass 69 | 0.1 (0.3)1 |
| 127 | 25.0 - 75.0% of mass 198 | 42.0 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.5 |
| 275 | 10.0 - 30.0% of mass 198 | 21.8 |
| 365 | Greater than 0.75% of mass 198 | 2.76 |
| 441 | Present, but less than mass 443 | 12.6 |
| 442 | 40.0 - 110.0% of mass 198 | 85.7 |
| 443 | 15.0 - 24.0% of mass 442 | 16.6 (19.4)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD080 | SSTD080 | HG021217B64 | 12/17/02 | 1842 |
| 02 | SSTD160 | SSTD160 | HH021217B64 | 12/17/02 | 1917 |
| 03 | SSTD010 | SSTD010 | HI021217B64 | 12/17/02 | 1952 |
| 04 | SSTD120 | SSTD120 | HJ021217B64 | 12/17/02 | 2027 |
| 05 | SSTD020 | SSTD020 | HK021217B64 | 12/17/02 | 2102 |
| 06 | SSTD050 | SSTD050 | HL021217B64 | 12/17/02 | 2137 |
| 07 | SS-SB05-0 | R2812-14 | R2812-14DB64 | 12/17/02 | 2248 |
| 08 | SS-SB05-1 | R2812-15 | R2812-15B64 | 12/17/02 | 2322 |
| 09 | SS-SB05-4 | R2812-16 | R2812-16B64 | 12/17/02 | 2357 |
| 10 | SS-MW11-0 | R2812-17 | R2812-17B64 | 12/18/02 | 0032 |
| 11 | SS-SB03-0DL | R2812-2 | R2812-2DB64 | 12/18/02 | 0107 |
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FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8270C

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: R2812

Instrument ID: 5972HP64

Calibration Date: 12/17/02 Time: 2102

Lab File ID: HK021217B64

Init. Calib. Date(s): 12/17/02 12/17/02

Init. Calib. Times: 1842 2137

GC Column: RTX-5MS ID: 0.32 (mm)

| COMPOUND | RRF OR AMOUNT | RRF80.000 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|-----------------------------|------------------|---------------------------|------------|-----------------|---------------------|--------------|
| N-Nitrosodiphenylamine | 0.5850000 | 0.5708565 | 0.01 | -2.42 | 20.00 | AVRG |
| 4-Bromophenyl-phenylether | 0.2990000 | 0.2994387 | 0.01 | 0.15 | 50.00 | AVRG |
| Hexachlorobenzene | 0.3330000 | 0.3249735 | 0.01 | -2.41 | 50.00 | AVRG |
| Atrazine | 0.1160000 | 0.0348652 | 0.01 | -69.94 | 50.00 | AVRG |
| Pentachlorophenol | 0.1850000 | 0.1771604 | 0.05 | -4.24 | 20.00 | AVRG |
| Phenanthrene | 1.1590000 | 1.1229320 | 0.01 | -3.11 | 50.00 | AVRG |
| Anthracene | 1.1510000 | 1.1332793 | 0.01 | -1.54 | 50.00 | AVRG |
| Carbazole | 1.0240000 | 1.0244873 | 0.01 | 0.05 | 50.00 | AVRG |
| Di-n-butylphthalate | 1.7210000 | 1.6992680 | 0.01 | -1.26 | 50.00 | AVRG |
| Fluoranthene | 1.3760000 | 1.3710521 | 0.01 | -0.36 | 20.00 | AVRG |
| Pyrene | 1.4170000 | 1.4029748 | 0.01 | -0.99 | 50.00 | AVRG |
| Butylbenzylphthalate | 0.8000000 | 0.7974294 | 0.01 | -0.32 | 50.00 | AVRG |
| 3,3'-Dichlorobenzidine | 0.4430000 | 0.4305921 | 0.01 | -2.80 | 50.00 | AVRG |
| bis(2-ethylhexyl) Phthalate | 1.0400000 | 1.0344307 | 0.01 | -0.54 | 50.00 | AVRG |
| Benzo(a)anthracene | 1.3370000 | 1.3191049 | 0.01 | -1.34 | 50.00 | AVRG |
| Chrysene | 1.2040000 | 1.2122046 | 0.01 | 0.68 | 50.00 | AVRG |
| Di-n-octylphthalate | 2.5580000 | 2.5401926 | 0.01 | -0.70 | 20.00 | AVRG |
| Benzo(b)fluoranthene | 1.7420000 | 1.6534270 | 0.01 | -5.08 | 50.00 | AVRG |
| Benzo(k)fluoranthene | 1.6930000 | 1.7533055 | 0.01 | 3.56 | 50.00 | AVRG |
| Benzo(a)pyrene | 1.5570000 | 1.5545578 | 0.01 | -0.16 | 20.00 | AVRG |
| Indeno(1,2,3-cd)pyrene | 1.5310000 | 1.5069757 | 0.01 | -1.57 | 50.00 | AVRG |
| Dibenzo(a,h)anthracene | 1.4120000 | 1.4063145 | 0.01 | -0.40 | 50.00 | AVRG |
| Benzo(g,h,i)perylene | 1.4410000 | 1.4013693 | 0.01 | -2.75 | 50.00 | AVRG |
| 2-Fluorophenol | 1.3700000 | 1.3567480 | 0.01 | -0.97 | 50.00 | AVRG |
| Phenol-d5 | 1.7810000 | 1.7904290 | 0.01 | 0.53 | 50.00 | AVRG |
| Nitrobenzene-d5 | 0.5380000 | 0.5396959 | 0.01 | 0.32 | 50.00 | AVRG |
| 2-Fluorobiphenyl | 1.5390000 | 1.4910248 | 0.01 | -3.12 | 50.00 | AVRG |
| 2,4,6-Tribromophenol | 0.4010000 | 0.4032977 | 0.01 | 0.57 | 50.00 | AVRG |
| Terphenyl-d14 | 1.0730000 | 1.0650900 | 0.01 | -0.74 | 50.00 | AVRG |

SS-SB03-1

| Compounds | QUANT MASS | SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | | SIMILARITY |
|--------------------------------|---------------|-----|------------------------|--------|---------|----------|--------------------|------------------|-------------|
| | | | | | | | ON-COLUMN (NG) | FINAL (ug/Kg) | |
| 71 Anthracene | 178 | | 11.604 | 11.619 | (1.009) | 75857 | 3.37778 | 118.5 | (a) |
| 72 Carbazole | 167 | | Compound Not Detected. | | | | | | |
| 73 Di-n-butylphthalate | 149 | | Compound Not Detected. | | | | | | |
| 74 Fluoranthene | 202 | | 14.256 | 14.271 | (1.239) | 486287 | 18.7924 | 659.4 | |
| 76 Pyrene | 202 | | 14.796 | 14.829 | (0.841) | 735780 | 29.7992 | 1046 | |
| 77 Butylbenzylphthalate | 149 | | Compound Not Detected. | | | | | | |
| 78 3,3'-Dichlorobenzidine | 252 | | Compound Not Detected. | | | | | | |
| 79 bis(2-ethylhexyl) Phthalate | 149 | | 18.040 | 18.038 | (1.026) | 73475 | 4.67477 | 164.0 | 9162 (a) |
| 80 Benzo(a)anthracene | 228 | | 17.550 | 17.565 | (0.998) | 276761 | 12.0140 | 421.5 | |
| 81 Chrysene | 228 | | 17.634 | 17.667 | (1.003) | 254348 | 12.6915 | 445.3 | |
| 82 Di-n-octylphthalate | 149 | | Compound Not Detected. | | | | | | |
| 83 Benzo(b)fluoranthene | 252 | | 19.560 | 19.558 | (0.971) | 388309 | 18.8186 | 660.3 | |
| 84 Benzo(k)fluoranthene | 252 | | 19.560 | 19.609 | (0.971) | 388309 | 19.4937 | 684.0 | |
| 85 Benzo(a)pyrene | 252 | | 20.033 | 20.065 | (0.995) | 168097 | 9.50678 | 333.6 | (a) |
| 86 Indeno(1,2,3-cd)pyrene | 276 | | 21.621 | 21.636 | (1.074) | 126873 | 7.42796 | 260.6 | 9452 (AM) 2 |
| 87 Dibenzo(a,h)anthracene | 278 | | 21.655 | 21.670 | (1.075) | 52179 | 3.22150 | 113.0 | 8508 (a) |
| 88 Benzo(g,h,i)perylene | 276 | | 21.925 | 21.957 | (1.089) | 127351 | 7.75722 | 272.2 | 8724 (a) |

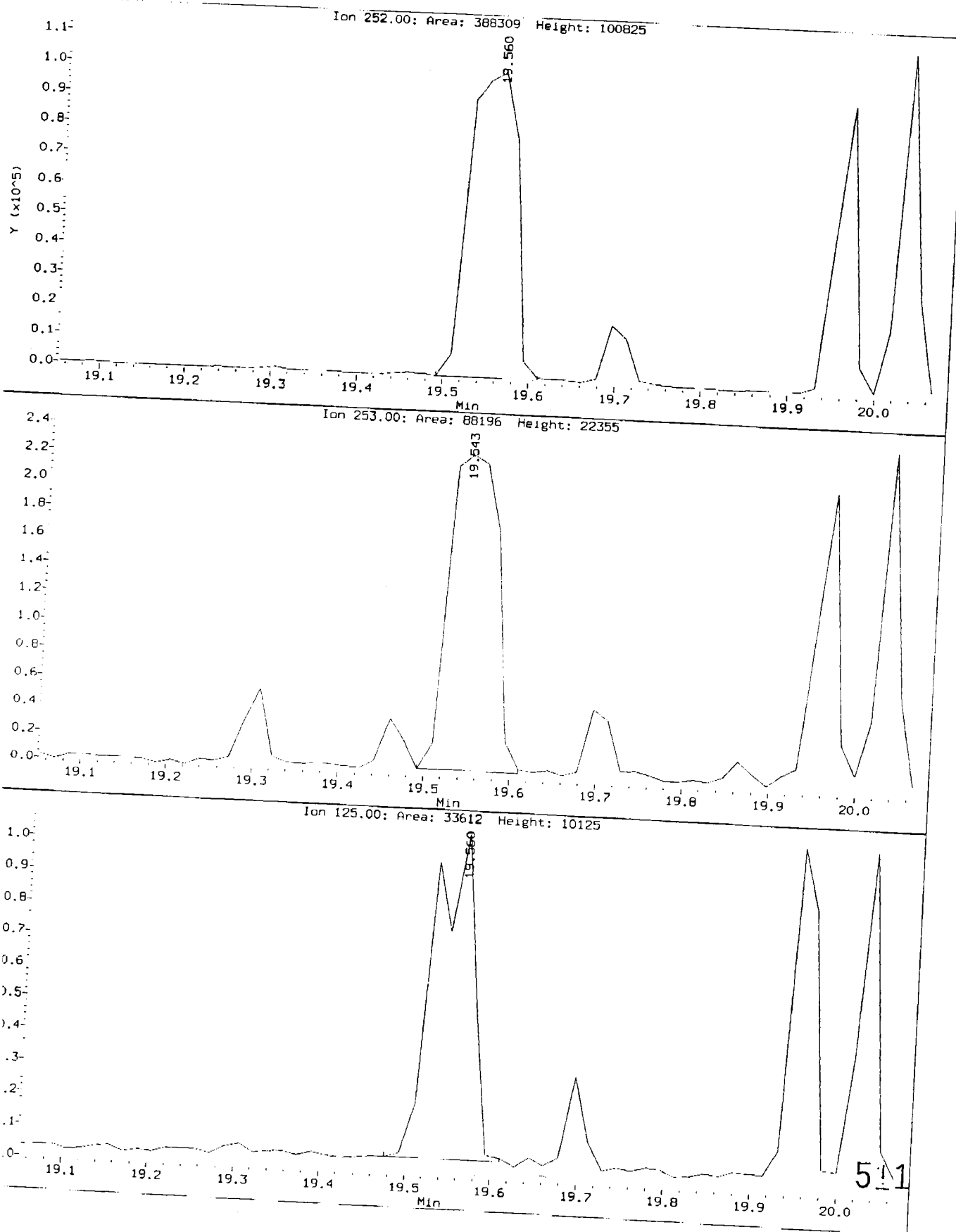
QC Flag Legend

- a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).
- m - Compound response manually integrated.

Manual

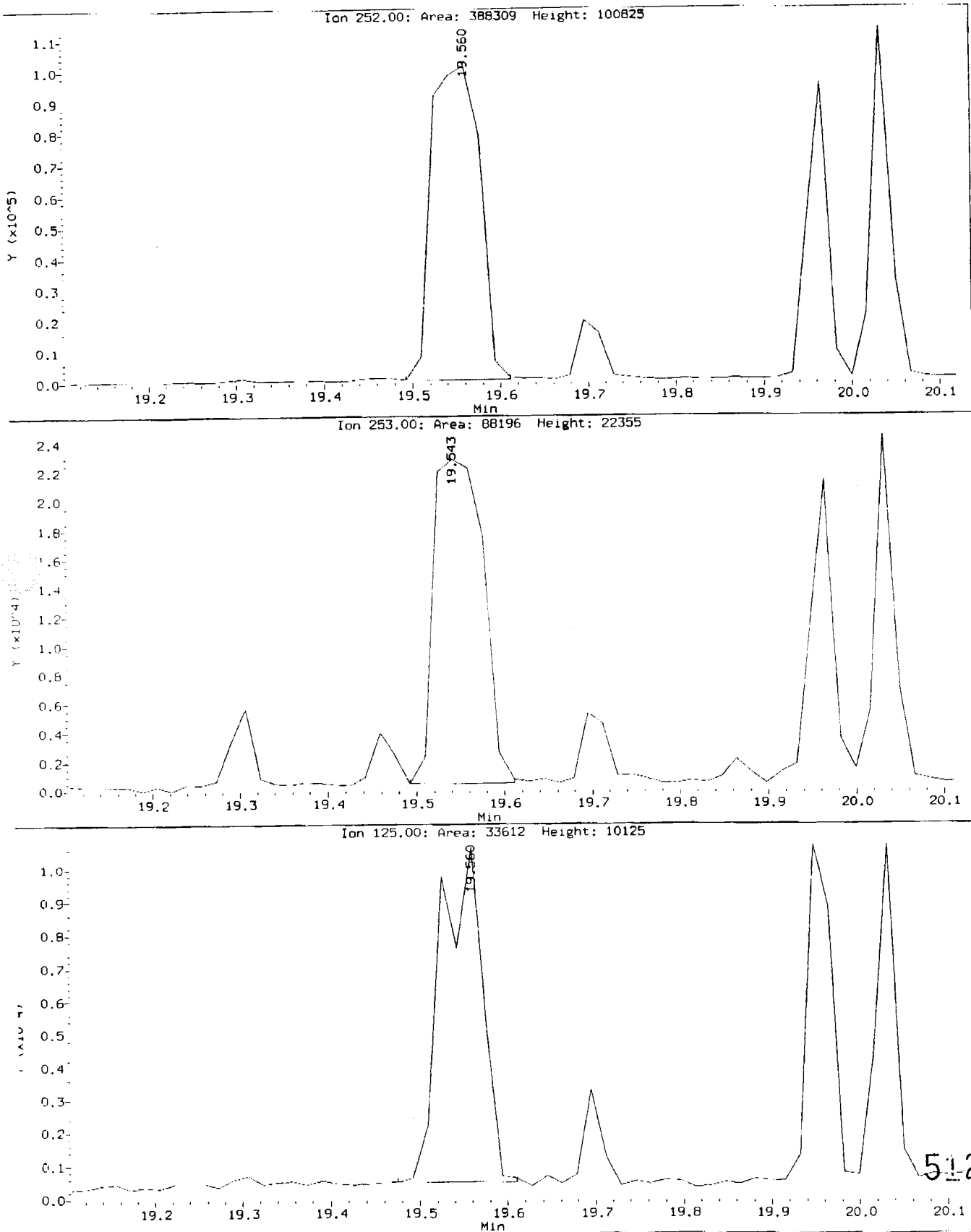
Data File: /chem/5972hp64.1/DF021216A64.b/R2812-3A64.d
Injection Date: 16-DEC-2002 16:06
Instrument: 5972hp64.i
Client Sample ID: SS-S803-1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2



Data File: /chem/5972hp64.i/DF021216A64.b/R2812-3A64.d
Injection Date: 16-DEC-2002 16:06
Instrument: 5972hp64.i
Client Sample ID: SS-SB03-1

und: Benzo(k)fluoranthene
Number: 207-08-9



CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG R2812 PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: SSMW10-1, SS-SB-01-4, SS-SB-04-0, SS-SB-04-1, SS-SB-04-4, SS-SB-05-0, SS-SB-05-1, SS-SB-05-4, SS-MW11-0, SS-SB-03-0, SS-SB-03-1, SS-SB-03-4, SS-SB-02-0, SS-SB-02-1, SS-SB-02-4, SS-SB-01-0, SS-SB-01-1

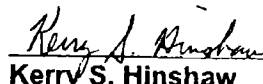
The 17 soil samples listed above were scheduled for the requested analysis of the Pesticide/PCB fraction. SW-846, 3rd Edition, Update 3, Method 8081A and 8082 were used to analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG R2812 are included in the sample data sections.

Analysis holding time requirements were met for the samples. There were target compounds identified above the reporting limit in 11 of these samples. Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

The associated method blanks and Laboratory Control Samples (LCS) met all quality control criteria with the exception of 4,4'-DDT in PAWLCS, which had a recovery above criteria. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. There were surrogate recoveries outside of advisory criteria in 11 of the samples. SSMW10-1 was used to prepare the duplicate matrix spikes, which met all recovery and precision criteria.

Samples SS-SB01-1, SS-SB03-0, SS-SB03-1 and SS-SB05-0 were analyzed diluted for potential target compounds that exceeded the calibration range in the undiluted analyses. These compounds may possibly be false positives since they did not confirm as positive results in the diluted runs. Both sets of data have been submitted.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Kerry S. Hinshaw
Gas Chromatography Manager
December 21, 2002

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| | EPA SAMPLE NO. | S1 1 %REC # | S1 2 %REC # | TCX 1 %REC # | TCX 2 %REC # | OTHER (1) | OTHER (2) | TOT OUT |
|----|-------------------|----------------|----------------|-----------------|-----------------|--------------|--------------|------------|
| | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | PBLKBL | 78 | 81 | 92 | 84 | | | 0 |
| 02 | PLCSBL | 77 | 80 | 87 | 86 | | | 0 |
| 03 | PCBLCSBL | 88 | 84 | 80 | 92 | | | 0 |
| 04 | SS-SB03-ODL | 2900 D | 237D | 97 | 114 | | | 0 |
| 05 | SS-SB05-ODL | 2200 D | 81 | 150 D | 130 | | | 0 |
| 06 | PBLKAW | 110 | 86 | 160 * | 105 | | | 1 |
| 07 | SS-SB03-1DL | 750 D | 90 | 110 | 100 | | | 0 |
| 08 | PAWLCS | 100 | 100 | 120 | 106 | | | 0 |
| 09 | PCBLCSAW | 99 | 89 | 140 * | 141* | | | 2 |
| 10 | SSMW10-1MS | 130 | 88 | 110 | 94 | | | 0 |
| 11 | SSMW10-1MSD | 93 | 78 | 99 | 79 | | | 0 |
| 12 | SS-SB01-1DL | 460 D | 43 | 70 | 63 | | | 0 |
| 13 | SS-SB03-4 | 120 | 81 | 94 | 79 | | | 0 |
| 14 | SS-SB02-0 | 880 * | 45 | 83 | 77 | | | 1 |
| 15 | SS-SB02-1 | 140 | 145* | 100 | 79 | | | 1 |
| 16 | SS-SB02-4 | 160 * | 64 | 95 | 79 | | | 1 |
| 17 | SS-SB01-0 | 410 * | 126 | 87 | 84 | | | 1 |
| 18 | SS-SB01-4 | 96 | 94 | 81 | 70 | | | 0 |
| 19 | SS-SB04-1 | 760 * | 50 | 120 | 83 | | | 1 |
| 20 | SS-SB04-4 | 480 * | 43 | 52 | 46 | | | 1 |
| 21 | SSMW10-1MSPC | 110 | 101 | 100 | 93 | | | 0 |
| 22 | SSMW10-1MSDP | 120 | 107 | 100 | 93 | | | 0 |
| 23 | SSMW10-1 | 130 | 112 | 110 | 104 | | | 0 |
| 24 | SS-MW11-0 | 92 | 99 | 140 * | 110 | | | 1 |
| 25 | SS-SB05-4 | 130 | 166* | 110 | 98 | | | 1 |
| 26 | SS-SB05-1 | 110 | 124 | 120 | 111 | | | 0 |
| 27 | SS-SB01-1 | 240 * | 381* | 64 | 53 | | | 2 |
| 28 | SS-SB03-1 | 350 * | 492* | 120 | 97 | | | 2 |
| 29 | SS-SB03-0 | 3900 * | 3680* | 130 | 84 | | | 2 |
| 30 | SS-SB05-0 | 1800 D | 2078D | 120 | 105 | | | 0 |

ADVISORY
QC LIMITS

S1 = Decachlorobiphenyl (DC (43-144)

S2 (TCX) = Tetrachloro-m-Xylene (43-135)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| | EPA SAMPLE NO. | S1 1 %REC # | S1 2 %REC # | TCX 1 %REC # | TCX 2 %REC # | OTHER (1) | OTHER (2) | TOT OUT |
|----|-------------------|----------------|----------------|-----------------|-----------------|--------------|--------------|------------|
| 01 | SS-SB04-0 | 770 D | 1499D | 70 | 58 | | | 0 |
| 02 | PBLKLB | 71 | 118 | 110 | 104 | | | 0 |
| 03 | | | | | | | | |
| 04 | | | | | | | | |
| 05 | | | | | | | | |
| 06 | | | | | | | | |
| 07 | | | | | | | | |
| 08 | | | | | | | | |
| 09 | | | | | | | | |
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| 12 | | | | | | | | |
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| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |
| 25 | | | | | | | | |
| 26 | | | | | | | | |
| 27 | | | | | | | | |
| 28 | | | | | | | | |
| 29 | | | | | | | | |
| 30 | | | | | | | | |

ADVISORY
QC LIMITS

S1 = Decachlorobiphenyl (DC (43-144)

S2 (TCX) = Tetrachloro-m-Xylene (43-135)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

8D
PESTICIDE ANALYTICAL SEQUENCE

Name: COMPUCHEM Contract: 8081A
Lab Code: COMPU Case No.: SAS No.: SDG No.: R2812
GC Column: CLPEST ID: 0.53 (mm) Init. Calib. Date(s): 12/07/02 12/08/02
Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

3/24/03
2

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 21.27 ₂ | | | TCX: 4.38 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | PEMTP | 12/07/02 | 2235 | 21.22 | 4.38 |
| 02 | INDA1TP | 12/07/02 | 2306 | 21.21 | 4.38 |
| 03 | INDB1TP | 12/07/02 | 2337 | 21.22 | 4.38 |
| 04 | INDA2TP | 12/08/02 | 0008 | 21.21 | 4.38 |
| 05 | INDB2TP | 12/08/02 | 0039 | 21.22 | 4.38 |
| 06 | INDA3TP | 12/08/02 | 0110 | 21.21 | 4.37 |
| 07 | INDB3TP | 12/08/02 | 0141 | 21.22 | 4.38 |
| 08 | INDA4TP | 12/08/02 | 0212 | 21.23 | 4.38 |
| 09 | INDB4TP | 12/08/02 | 0243 | 21.22 | 4.38 |
| 10 | INDA5TP | 12/08/02 | 0314 | 21.23 | 4.38 |
| 11 | INDB5TP | 12/08/02 | 0345 | 21.22 | 4.38 |
| 12 | TOXAPH4TP | 12/08/02 | 0416 | 21.24 | 4.39 |
| 13 | CHLORO4TP | 12/08/02 | 0447 | 21.21 | 4.38 |
| 14 | AR16601TP | 12/08/02 | 0518 | 21.22 | 4.38 |
| 15 | AR16602TP | 12/08/02 | 0549 | 21.21 | 4.38 |
| 16 | AR16603TP | 12/08/02 | 0621 | 21.22 | 4.38 |
| 17 | AR16604TP | 12/08/02 | 0652 | 21.21 | 4.37 |
| 18 | AR16605TP | 12/08/02 | 0723 | 21.23 | 4.38 |
| 19 | AR12214TP | 12/08/02 | 0754 | 21.22 | 4.38 |
| 20 | AR12324TP | 12/08/02 | 0825 | 21.24 | 4.39 |
| 21 | AR12424TP | 12/08/02 | 0856 | 21.21 | 4.38 |
| 22 | AR12484TP | 12/08/02 | 0927 | 21.22 | 4.38 |
| 23 | AR12544TP | 12/08/02 | 0958 | 21.23 | 4.38 |
| 24 | PIBLKUW | 12/12/02 | 0614 | 21.23 | 4.38 |
| 25 | AR1660UX | 12/12/02 | 0829 | 21.23 | 4.39 |
| 26 | INDAMUX | 12/12/02 | 0857 | 21.23 | 4.38 |
| 27 | INDBMUX | 12/12/02 | 0928 | 21.23 | 4.38 |
| 28 | PBLKBL | 12/12/02 | 1016 | 21.24 | 4.39 |
| 29 | PLCSBL | 12/12/02 | 1045 | 21.23 | 4.38 |
| 30 | PCBLCSBL | 12/12/02 | 1116 | 21.23 | 4.38 |
| 31 | SS-SB03-0DL | 12/12/02 | 1147 | 21.22 | 4.38 |
| 32 | SS-SB05-0DL | 12/12/02 | 1218 | 21.21 | 4.38 |

QC LIMITS
S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST

ID: 0.53

(mm) Init. Calib. Date(s): 12/07/02 12/08/02

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

3/27/03

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 21.27 | | TCX: 4.38 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | SS-SB03-1DL | R2812-3 | 12/12/02 | 21.23 | 4.38 |
| 02 | PIBLKVA | PIBLKVA | 12/12/02 | 21.23 | 4.38 |
| 03 | AR1660VB | AR1660VB | 12/12/02 | 21.22 | 4.38 |
| 04 | INDAMVB | INDAMVB | 12/12/02 | 21.23 | 4.38 |
| 05 | INDBMVB | INDBMVB | 12/12/02 | 21.22 | 4.38 |
| 06 | PEMVB | PEMVB | 12/12/02 | 21.22 | 4.38 |
| 07 | SS-SB01-1DL | R2812-9 | 12/12/02 | 21.23 | 4.38 |
| 08 | SS-SB03-4 | R2812-4 | 12/12/02 | 21.22 | 4.38 |
| 09 | SS-SB02-0 | R2812-5 | 12/12/02 | 21.24 | 4.38 |
| 10 | SS-SB02-1 | R2812-6 | 12/12/02 | 21.18 | 4.38 |
| 11 | SS-SB02-4 | R2812-7 | 12/12/02 | 21.24 | 4.38 |
| 12 | SS-SB01-0 | R2812-8 | 12/12/02 | 21.23 | 4.38 |
| 13 | SS-SB01-4 | R2812-10 | 12/12/02 | 21.23 | 4.39 |
| 14 | SS-SB04-1 | R2812-12 | 12/12/02 | 21.23 | 4.38 |
| 15 | SS-SB04-4 | R2812-13 | 12/12/02 | 21.23 | 4.38 |
| 16 | PIBLKVC | PIBLKVC | 12/12/02 | 21.24 | 4.39 |
| 17 | AR1660VD | AR1660VD | 12/12/02 | 21.24 | 4.39 |
| 18 | INDAMVD | INDAMVD | 12/13/02 | 21.21 | 4.38 |
| 19 | INDBMVD | INDBMVD | 12/13/02 | 21.20 | 4.36 |
| 20 | | | 1123 | 21.20 | 4.37 |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |
| 27 | | | | | |
| 28 | | | | | |
| 29 | | | | | |
| 30 | | | | | |
| 31 | | | | | |
| 32 | | | | | |

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES) QC LIMITS
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

b Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/07/02 12/08/02

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | |
|--|-------------------|------------------|------------------|------------------|------------|-------------|
| S1 : 24.65 | | | TCX: 5.57 | | | |
| | EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| | ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | PEMTP | PEMTP | 12/07/02 | 2235 | 24.65 | 5.57 |
| 02 | INDA1TP | INDA1TP | 12/07/02 | 2306 | 24.64 | 5.57 |
| 03 | INDB1TP | INDB1TP | 12/07/02 | 2337 | 24.65 | 5.57 |
| 04 | INDA2TP | INDA2TP | 12/08/02 | 0008 | 24.64 | 5.57 |
| 05 | INDB2TP | INDB2TP | 12/08/02 | 0039 | 24.64 | 5.57 |
| 06 | INDA3TP | INDA3TP | 12/08/02 | 0110 | 24.64 | 5.57 |
| 07 | INDB3TP | INDB3TP | 12/08/02 | 0141 | 24.64 | 5.57 |
| 08 | INDA4TP | INDA4TP | 12/08/02 | 0212 | 24.66 | 5.58 |
| 09 | INDB4TP | INDB4TP | 12/08/02 | 0243 | 24.64 | 5.57 |
| 10 | INDA5TP | INDA5TP | 12/08/02 | 0314 | 24.65 | 5.57 |
| 11 | INDB5TP | INDB5TP | 12/08/02 | 0345 | 24.64 | 5.57 |
| 12 | TOXAPH4TP | TOXAPH4TP | 12/08/02 | 0416 | 24.66 | 5.58 |
| 13 | CHLORO4TP | CHLORO4TP | 12/08/02 | 0447 | 24.64 | 5.57 |
| 14 | AR16601TP | AR16601TP | 12/08/02 | 0518 | 24.64 | 5.57 |
| 15 | AR16602TP | AR16602TP | 12/08/02 | 0549 | 24.64 | 5.57 |
| 16 | AR16603TP | AR16603TP | 12/08/02 | 0621 | 24.65 | 5.57 |
| 17 | AR16604TP | AR16604TP | 12/08/02 | 0652 | 24.64 | 5.56 |
| 18 | AR16605TP | AR16605TP | 12/08/02 | 0723 | 24.65 | 5.57 |
| 19 | AR12214TP | AR12214TP | 12/08/02 | 0754 | 24.64 | 5.57 |
| 20 | AR12324TP | AR12324TP | 12/08/02 | 0825 | 24.66 | 5.58 |
| 21 | AR12424TP | AR12424TP | 12/08/02 | 0856 | 24.63 | 5.57 |
| 22 | AR12484TP | AR12484TP | 12/08/02 | 0927 | 24.64 | 5.57 |
| 23 | AR12544TP | AR12544TP | 12/08/02 | 0958 | 24.65 | 5.58 |
| 24 | PIBLKUX | PIBLKUX | 12/12/02 | 0614 | 24.65 | 5.57 |
| 25 | AR1660UX | AR1660UX | 12/12/02 | 0829 | 24.66 | 5.57 |
| 26 | INDAMUX | INDAMUX | 12/12/02 | 0857 | 24.65 | 5.57 |
| 27 | INDBMUX | INDBMUX | 12/12/02 | 0928 | 24.66 | 5.58 |
| 28 | PBLKBL | WG21805-1 | 12/12/02 | 1016 | 24.66 | 5.57 |
| 29 | PLCSBL | WG21805-2 | 12/12/02 | 1045 | 24.66 | 5.57 |
| 30 | PCBLCSBL | WG21805-3 | 12/12/02 | 1116 | 24.66 | 5.58 |
| 31 | SS-SB03-0DL | R2812-2 | 12/12/02 | 1147 | 24.65 | 5.56 |
| 32 | SS-SB05-0DL | R2812-14 | 12/12/02 | 1218 | 24.66 | 5.57 |

QC LIMITS
S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/07/02 12/08/02

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 24.65 | | TCX: 5.57 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | SS-SB03-1DL | 12/12/02 | 1453 | 24.66 | 5.57 |
| 02 | PIBLKVB | 12/12/02 | 1555 | 24.66 | 5.57 |
| 03 | AR1660VB | 12/12/02 | 1625 | 24.64 | 5.57 |
| 04 | INDAMVB | 12/12/02 | 1656 | 24.66 | 5.57 |
| 05 | INDBMVB | 12/12/02 | 1727 | 24.65 | 5.57 |
| 06 | PEMVB | 12/12/02 | 1758 | 24.65 | 5.57 |
| 07 | SS-SB01-1DL | 12/12/02 | 1829 | 24.65 | 5.57 |
| 08 | SS-SB03-4 | 12/12/02 | 1900 | 24.67 | 5.58 |
| 09 | SS-SB02-0 | 12/12/02 | 1931 | 24.66 | 5.57 |
| 10 | SS-SB02-1 | 12/12/02 | 2001 | 24.66 | 5.57 |
| 11 | SS-SB02-4 | 12/12/02 | 2032 | 24.65 | 5.57 |
| 12 | SS-SB01-0 | 12/12/02 | 2103 | 24.67 | 5.58 |
| 13 | SS-SB01-4 | 12/12/02 | 2134 | 24.65 | 5.57 |
| 14 | SS-SB04-1 | 12/12/02 | 2205 | 24.66 | 5.57 |
| 15 | SS-SB04-4 | 12/12/02 | 2236 | 24.68 | 5.58 |
| 16 | PIBLKVD | 12/12/02 | 2337 | 24.67 | 5.58 |
| 17 | AR1660VD | 12/13/02 | 1023 | 24.63 | 5.55 |
| 18 | INDAMVD | 12/13/02 | 1052 | 24.62 | 5.55 |
| 19 | INDBMVD | 12/13/02 | 1123 | 24.63 | 5.55 |
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S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST ID: 0.53 (mm) Init. Calib. Date(s): 12/11/02 12/11/02

Instrument ID: VARIAN70

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 14.59 | | | TCX: 3.71 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | PEMUZ | 12/11/02 | 1509 | 14.57 | 3.71 |
| 02 | INDA1UZ | 12/11/02 | 1533 | 14.59 | 3.71 |
| 03 | INDB1UZ | 12/11/02 | 1557 | 14.57 | 3.71 |
| 04 | INDA2UZ | 12/11/02 | 1621 | 14.57 | 3.70 |
| 05 | INDB2UZ | 12/11/02 | 1645 | 14.57 | 3.71 |
| 06 | INDA3UZ | 12/11/02 | 1708 | 14.56 | 3.71 |
| 07 | INDB3UZ | 12/11/02 | 1732 | 14.56 | 3.71 |
| 08 | INDA4UZ | 12/11/02 | 1757 | 14.57 | 3.71 |
| 09 | INDB4UZ | 12/11/02 | 1821 | 14.57 | 3.71 |
| 10 | INDA5UZ | 12/11/02 | 1844 | 14.56 | 3.71 |
| 11 | INDB5UZ | 12/11/02 | 1908 | 14.58 | 3.71 |
| 12 | TOXAPH4UZ | 12/11/02 | 1932 | 14.56 | 3.70 |
| 13 | CHLORO4UZ | 12/11/02 | 1956 | 14.57 | 3.71 |
| 14 | AR16601UZ | 12/11/02 | 2021 | 14.58 | 3.71 |
| 15 | AR16602UZ | 12/11/02 | 2044 | 14.57 | 3.71 |
| 16 | AR16603UZ | 12/11/02 | 2107 | 14.57 | 3.71 |
| 17 | AR16604UZ | 12/11/02 | 2131 | 14.57 | 3.71 |
| 18 | AR16605UZ | 12/11/02 | 2154 | 14.56 | 3.71 |
| 19 | AR12214UZ | 12/11/02 | 2218 | 14.56 | 3.71 |
| 20 | AR12324UZ | 12/11/02 | 2242 | 14.57 | 3.70 |
| 21 | AR12424UZ | 12/11/02 | 2305 | 14.56 | 3.71 |
| 22 | AR12484UZ | 12/11/02 | 2329 | 14.56 | 3.71 |
| 23 | AR12544UZ | 12/11/02 | 2354 | 14.56 | 3.70 |
| 24 | PIBLKVE | 12/12/02 | 1110 | 14.55 | 3.70 |
| 25 | AR1660VF | 12/12/02 | 1134 | 14.57 | 3.71 |
| 26 | INDAMVF | 12/12/02 | 1158 | 14.57 | 3.71 |
| 27 | PEMVF | 12/12/02 | 1245 | 14.58 | 3.72 |
| 28 | INDBMVF | 12/12/02 | 1328 | 14.57 | 3.71 |
| 29 | PBLKAW | 12/12/02 | 1411 | 14.57 | 3.72 |
| 30 | PBLKSC | 12/12/02 | 1431 | 14.56 | 3.71 |
| 31 | PAWLCS | 12/12/02 | 1456 | 14.58 | 3.71 |
| 32 | PCBLCSAW | 12/12/02 | 1520 | 14.57 | 3.69 |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/11/02 12/11/02

Instrument ID: VARIAN70

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 14.59 | | | TCX: 3.71 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 SSMW10-1MS | WG21785-8 | 12/12/02 | 1718 | 14.57 | 3.71 |
| 02 SSMW10-1MSD | WG21785-9 | 12/12/02 | 1743 | 14.58 | 3.71 |
| 03 PIBLKVG | PIBLKVG | 12/12/02 | 1830 | 14.57 | 3.71 |
| 04 AR1660VH | AR1660VH | 12/12/02 | 1854 | 14.58 | 3.71 |
| 05 INDAMVH | INDAMVH | 12/12/02 | 1918 | 14.57 | 3.71 |
| 06 INDBMVH | INDBMVH | 12/12/02 | 1942 | 14.56 | 3.71 |
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| 32 | | | | | |

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
 TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/11/02 12/11/02

Instrument ID: VARIAN72

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 16.94 | | | TCX: 4.63 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 PEMUZ | PEMUZ | 12/11/02 | 1509 | 16.93 | 4.62 |
| 02 INDA1UZ | INDA1UZ | 12/11/02 | 1533 | 16.94 | 4.63 |
| 03 INDB1UZ | INDB1UZ | 12/11/02 | 1557 | 16.93 | 4.63 |
| 04 INDA2UZ | INDA2UZ | 12/11/02 | 1621 | 16.94 | 4.62 |
| 05 INDB2UZ | INDB2UZ | 12/11/02 | 1645 | 16.94 | 4.63 |
| 06 INDA3UZ | INDA3UZ | 12/11/02 | 1708 | 16.93 | 4.63 |
| 07 INDB3UZ | INDB3UZ | 12/11/02 | 1732 | 16.93 | 4.63 |
| 08 INDA4UZ | INDA4UZ | 12/11/02 | 1757 | 16.94 | 4.63 |
| 09 INDB4UZ | INDB4UZ | 12/11/02 | 1821 | 16.94 | 4.63 |
| 10 INDA5UZ | INDA5UZ | 12/11/02 | 1844 | 16.93 | 4.63 |
| 11 INDB5UZ | INDB5UZ | 12/11/02 | 1908 | 16.95 | 4.64 |
| 12 TOXAPH4UZ | TOXAPH4UZ | 12/11/02 | 1932 | 16.94 | 4.63 |
| 13 CHLORO4UZ | CHLORO4UZ | 12/11/02 | 1956 | 16.95 | 4.63 |
| 14 AR16601UZ | AR16601UZ | 12/11/02 | 2021 | 16.95 | 4.64 |
| 15 AR16602UZ | AR16602UZ | 12/11/02 | 2044 | 16.95 | 4.63 |
| 16 AR16603UZ | AR16603UZ | 12/11/02 | 2107 | 16.94 | 4.63 |
| 17 AR16604UZ | AR16604UZ | 12/11/02 | 2131 | 16.95 | 4.63 |
| 18 AR16605UZ | AR16605UZ | 12/11/02 | 2154 | 16.93 | 4.63 |
| 19 AR12214UZ | AR12214UZ | 12/11/02 | 2218 | 16.94 | 4.63 |
| 20 AR12324UZ | AR12324UZ | 12/11/02 | 2242 | 16.95 | 4.63 |
| 21 AR12424UZ | AR12424UZ | 12/11/02 | 2305 | 16.94 | 4.63 |
| 22 AR12484UZ | AR12484UZ | 12/11/02 | 2329 | 16.94 | 4.63 |
| 23 AR12544UZ | AR12544UZ | 12/11/02 | 2354 | 16.94 | 4.63 |
| 24 PIBLKVF | PIBLKVF | 12/12/02 | 1110 | 16.94 | 4.63 |
| 25 AR1660VF | AR1660VF | 12/12/02 | 1134 | 16.97 | 4.64 |
| 26 INDAMVF | INDAMVF | 12/12/02 | 1158 | 16.97 | 4.64 |
| 27 PEMVF | PEMVF | 12/12/02 | 1245 | 16.98 | 4.65 |
| 28 INDBMVF | INDBMVF | 12/12/02 | 1328 | 16.97 | 4.64 |
| 29 PBLKAW | WG21785-1 | 12/12/02 | 1411 | 16.96 | 4.65 |
| 30 PBLKSC | PBLKSC | 12/12/02 | 1431 | 16.96 | 4.64 |
| 31 ZZZZZ | ZZZZZ | 12/12/02 | 1456 | 16.98 | 4.65 |
| 32 PCBLCSAW | WG21785-3 | 12/12/02 | 1520 | 16.97 | 4.65 |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES))
 TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST2

ID: 0.53

(mm)

Init. Calib. Date(s): 12/11/02 12/11/02

Instrument ID: VARIAN72

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 16.94 | | TCX: 4.63 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 SSMW10-1MS | WG21785-8 | 12/12/02 | 1718 | 16.97 | 4.64 |
| 02 SSMW10-1MSD | WG21785-9 | 12/12/02 | 1743 | 16.98 | 4.65 |
| 03 PIBLVH | PIBLKVH | 12/12/02 | 1830 | 16.97 | 4.64 |
| 04 AR1660VH | AR1660VH | 12/12/02 | 1854 | 16.98 | 4.65 |
| 05 INDAMVH | INDAMVH | 12/12/02 | 1918 | 16.97 | 4.64 |
| 06 INDBMVH | INDBMVH | 12/12/02 | 1942 | 16.96 | 4.64 |
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| 32 | | | | | |

S1 = Decachlorobiphenyl (DC) (+/- 0.07 MINUTES) QC LIMITS
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

b Name: COMPUCHEM Contract: 8081A
Lab Code: COMPU Case No.: SAS No.: SDG No.: R2812
GC Column: CLPEST ID: 0.53 (mm) Init. Calib. Date(s): 12/12/02 12/13/02
Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | |
|--|-------------------|------------------|------------------|------------------|------------|-------------|
| S1 : 17.31 | | | TCX: 3.99 | | | |
| | EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| | ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | PEMVL | PEMVL | 12/12/02 | 1459 | 17.32 | 3.99 |
| 02 | INDA1VL | INDA1VL | 12/12/02 | 1527 | 17.32 | 4.00 |
| 03 | INDB1VL | INDB1VL | 12/12/02 | 1555 | 17.32 | 4.00 |
| 04 | INDA2VL | INDA2VL | 12/12/02 | 1624 | 17.32 | 4.00 |
| 05 | INDB2VL | INDB2VL | 12/12/02 | 1652 | 17.32 | 4.00 |
| 06 | INDA3VL | INDA3VL | 12/12/02 | 1720 | 17.32 | 4.00 |
| 07 | INDB3VL | INDB3VL | 12/12/02 | 1748 | 17.32 | 4.00 |
| 08 | INDA4VL | INDA4VL | 12/12/02 | 1816 | 17.31 | 3.99 |
| 09 | INDB4VL | INDB4VL | 12/12/02 | 1844 | 17.31 | 3.99 |
| 10 | INDA5VL | INDA5VL | 12/12/02 | 1913 | 17.32 | 4.00 |
| 11 | INDB5VL | INDB5VL | 12/12/02 | 1941 | 17.32 | 4.00 |
| 12 | TOXAPH4VL | TOXAPH4VL | 12/12/02 | 2009 | 17.32 | 3.99 |
| 13 | CHLORO4VL | CHLORO4VL | 12/12/02 | 2037 | 17.32 | 3.99 |
| 14 | AR16601VL | AR16601VL | 12/12/02 | 2105 | 17.32 | 3.99 |
| 15 | AR16602VL | AR16602VL | 12/12/02 | 2133 | 17.32 | 4.00 |
| 16 | AR16603VL | AR16603VL | 12/12/02 | 2202 | 17.32 | 4.00 |
| 17 | AR16604VL | AR16604VL | 12/12/02 | 2230 | 17.32 | 4.00 |
| 18 | AR16605VL | AR16605VL | 12/12/02 | 2258 | 17.32 | 3.99 |
| 19 | AR12214VL | AR12214VL | 12/12/02 | 2326 | 17.32 | 4.00 |
| 20 | AR12324VL | AR12324VL | 12/12/02 | 2354 | 17.32 | 4.00 |
| 21 | AR12424VL | AR12424VL | 12/13/02 | 0022 | 17.32 | 4.00 |
| 22 | AR12484VL | AR12484VL | 12/13/02 | 0050 | 17.32 | 4.00 |
| 23 | AR12544VL | AR12544VL | 12/13/02 | 0119 | 17.32 | 4.00 |
| 24 | PIBLKYK | PIBLKYKYL | 12/19/02 | 1800 | 17.34 | 4.03 |
| 25 | AR1660YL | AR1660YL | 12/19/02 | 1828 | 17.34 | 4.03 |
| 26 | INDAMYL | INDAMYL | 12/19/02 | 1856 | 17.34 | 4.03 |
| 27 | INDBMYL | INDBMYL | 12/19/02 | 1924 | 17.35 | 4.03 |
| 28 | PEMYL | PEMYL | 12/19/02 | 1953 | 17.34 | 4.03 |
| 29 | SS-MW11-0 | R2812-17 | 12/19/02 | 2119 | 17.34 | 4.02 |
| 30 | SS-SB05-4 | R2812-16 | 12/19/02 | 2145 | 17.34 | 4.01 |
| 31 | SS-SB05-1 | R2812-15 | 12/19/02 | 2214 | 17.35 | 4.02 |
| 32 | SS-SB01-1 | R2812-9 | 12/19/02 | 2242 | 17.35 | 4.03 |

QC LIMITS
S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/12/02 12/13/02

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 17.31 | | | TCX: 3.99 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | SS-SB03-1 | R2812-3 | 12/19/02 | 2310 | 17.35 |
| 02 | SS-SB03-0 | R2812-2 | 12/19/02 | 2338 | 17.37 |
| 03 | SS-SB05-0 | R2812-14 | 12/20/02 | 0006 | 17.35 |
| 04 | SS-SB04-0 | R2812-11 | 12/20/02 | 0034 | 17.36 |
| 05 | PBLKLB | WG21805-1 | 12/20/02 | 0103 | 17.36 |
| 06 | PIBLKYO | PIBLKYO | 12/20/02 | 0159 | 17.36 |
| 07 | AR1660YP | AR1660YP | 12/20/02 | 0227 | 17.37 |
| 08 | INDAMYP | INDAMYP | 12/20/02 | 0255 | 17.37 |
| 09 | INDBMYP | INDBMYP | 12/20/02 | 0323 | 17.37 |
| 10 | | | | | |
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QC LIMITS
S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/12/02 12/13/02

Instrument ID: TRACEGC83

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | | |
|--|-------------------|------------------|------------------|------------------|------------|-------------|--|
| S1 : 19.66 | | | | TCX: 4.84 | | | |
| | EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # | |
| 01 | PEMVL | PEMVL | 12/12/02 | 1459 | 19.66 | 4.84 | |
| 02 | INDA1VL | INDA1VL | 12/12/02 | 1527 | 19.66 | 4.84 | |
| 03 | INDB1VL | INDB1VL | 12/12/02 | 1555 | 19.66 | 4.84 | |
| 04 | INDA2VL | INDA2VL | 12/12/02 | 1624 | 19.66 | 4.84 | |
| 05 | INDB2VL | INDB2VL | 12/12/02 | 1652 | 19.66 | 4.84 | |
| 06 | INDA3VL | INDA3VL | 12/12/02 | 1720 | 19.66 | 4.84 | |
| 07 | INDB3VL | INDB3VL | 12/12/02 | 1748 | 19.66 | 4.84 | |
| 08 | INDA4VL | INDA4VL | 12/12/02 | 1816 | 19.66 | 4.84 | |
| 09 | INDB4VL | INDB4VL | 12/12/02 | 1844 | 19.66 | 4.84 | |
| 10 | INDA5VL | INDA5VL | 12/12/02 | 1913 | 19.66 | 4.84 | |
| 11 | INDB5VL | INDB5VL | 12/12/02 | 1941 | 19.66 | 4.84 | |
| 12 | TOXAPH4VL | TOXAPH4VL | 12/12/02 | 2009 | 19.66 | 4.84 | |
| 13 | CHLORO4VL | CHLORO4VL | 12/12/02 | 2037 | 19.66 | 4.84 | |
| 14 | AR16601VL | AR16601VL | 12/12/02 | 2105 | 19.66 | 4.84 | |
| 15 | AR16602VL | AR16602VL | 12/12/02 | 2133 | 19.66 | 4.84 | |
| 16 | AR16603VL | AR16603VL | 12/12/02 | 2202 | 19.66 | 4.84 | |
| 17 | AR16604VL | AR16604VL | 12/12/02 | 2230 | 19.66 | 4.84 | |
| 18 | AR16605VL | AR16605VL | 12/12/02 | 2258 | 19.66 | 4.84 | |
| 19 | AR12214VL | AR12214VL | 12/12/02 | 2326 | 19.66 | 4.84 | |
| 20 | AR12324VL | AR12324VL | 12/12/02 | 2354 | 19.66 | 4.84 | |
| 21 | AR12424VL | AR12424VL | 12/13/02 | 0022 | 19.66 | 4.84 | |
| 22 | AR12484VL | AR12484VL | 12/13/02 | 0050 | 19.66 | 4.84 | |
| 23 | AR12544VL | AR12544VL | 12/13/02 | 0119 | 19.66 | 4.84 | |
| 24 | PIBLKYL | PIBLKYKYL | 12/19/02 | 1800 | 19.67 | 4.86 | |
| 25 | AR1660YL | AR1660YL | 12/19/02 | 1828 | 19.68 | 4.87 | |
| 26 | INDAMYL | INDAMYL | 12/19/02 | 1856 | 19.68 | 4.86 | |
| 27 | INDBMYL | INDBMYL | 12/19/02 | 1924 | 19.68 | 4.87 | |
| 28 | PEMYL | PEMYL | 12/19/02 | 1953 | 19.68 | 4.87 | |
| 29 | SS-MW11-0 | R2812-17 | 12/19/02 | 2119 | 19.67 | 4.86 | |
| 30 | SS-SB05-4 | R2812-16 | 12/19/02 | 2145 | 19.68 | 4.86 | |
| 31 | SS-SB05-1 | R2812-15 | 12/19/02 | 2214 | 19.69 | 4.87 | |
| 32 | SS-SB01-1 | R2812-9 | 12/19/02 | 2242 | 19.70 | 4.88 | |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/12/02 12/13/02

Instrument ID: TRACEGC83

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 19.66 | | | TCX: 4.84 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| ===== | ===== | ===== | ===== | ===== | ===== |
| 01 SS-SB03-1 | R2812-3 | 12/19/02 | 2310 | 19.70 | 4.88 |
| 02 SS-SB03-0 | R2812-2 | 12/19/02 | 2338 | 19.73* | 4.89 |
| 03 SS-SB05-0 | R2812-14 | 12/20/02 | 0006 | 19.71 | 4.88 |
| 04 SS-SB04-0 | R2812-11 | 12/20/02 | 0034 | 19.71 | 4.88 |
| 05 PBLKLB | WG21805-1 | 12/20/02 | 0103 | 19.70 | 4.89 |
| 06 PIBLKYP | PIBLKYP | 12/20/02 | 0159 | 19.70 | 4.89 |
| 07 AR1660YP | AR1660YP | 12/20/02 | 0227 | 19.70 | 4.89 |
| 08 INDAMYP | INDAMYP | 12/20/02 | 0255 | 19.70 | 4.89 |
| 09 INDBMYP | INDBMYP | 12/20/02 | 0323 | 19.70 | 4.90 |
| 10 | | | | | |
| 11 | | | | | |
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| 30 | | | | | |
| 31 | | | | | |
| 32 | | | | | |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST ID: 0.53 (mm) Init. Calib. Date(s): 12/13/02 12/13/02

Instrument ID: VARIAN70

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 14.54 | | | TCX: 3.68 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | PEMVP | 12/13/02 | 0909 | 14.54 | 3.69 |
| 02 | INDA1VP | 12/13/02 | 0932 | 14.55 | 3.69 |
| 03 | INDB1VP | 12/13/02 | 0955 | 14.53 | 3.68 |
| 04 | INDA2VP | 12/13/02 | 1018 | 14.54 | 3.69 |
| 05 | INDB2VP | 12/13/02 | 1042 | 14.53 | 3.68 |
| 06 | INDA3VP | 12/13/02 | 1105 | 14.54 | 3.68 |
| 07 | INDB3VP | 12/13/02 | 1128 | 14.54 | 3.69 |
| 08 | INDA4VP | 12/13/02 | 1152 | 14.53 | 3.68 |
| 09 | INDB4VP | 12/13/02 | 1215 | 14.54 | 3.68 |
| 10 | INDA5VP | 12/13/02 | 1238 | 14.54 | 3.68 |
| 11 | INDB5VP | 12/13/02 | 1301 | 14.54 | 3.68 |
| 12 | TOXAPH4VP | 12/13/02 | 1325 | 14.53 | 3.68 |
| 13 | CHLORO4VP | 12/13/02 | 1348 | 14.54 | 3.68 |
| 14 | AR16601VP | 12/13/02 | 1411 | 14.53 | 3.68 |
| 15 | AR16602VP | 12/13/02 | 1435 | 14.53 | 3.67 |
| 16 | AR16603VP | 12/13/02 | 1458 | 14.53 | 3.68 |
| 17 | AR16604VP | 12/13/02 | 1521 | 14.53 | 3.68 |
| 18 | AR16605VP | 12/13/02 | 1544 | 14.53 | 3.67 |
| 19 | AR12214VP | 12/13/02 | 1608 | 14.52 | 3.67 |
| 20 | AR12324VP | 12/13/02 | 1631 | 14.53 | 3.67 |
| 21 | AR12424VP | 12/13/02 | 1654 | 14.51 | 3.67 |
| 22 | AR12484VP | 12/13/02 | 1717 | 14.51 | 3.67 |
| 23 | AR12544VP | 12/13/02 | 1741 | 14.52 | 3.67 |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |
| 27 | | | | | |
| 28 | | | | | |
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| 31 | | | | | |
| 32 | | | | | |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/13/02 12/13/02

Instrument ID: VARIAN70

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | |
|--|------------------|------------------|------------------|------------|-------------|--|
| S1 : 14.54 | | | TCX: 3.68 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # | |
| 01 | PIBLKVU | 12/14/02 | 0316 | 14.50 | 3.66 | |
| 02 | AR1660VV | 12/14/02 | 0339 | 14.50 | 3.66 | |
| 03 | INDAMVV | 12/14/02 | 0403 | 14.51 | 3.66 | |
| 04 | INDBMVV | 12/14/02 | 0425 | 14.51 | 3.66 | |
| 05 | SSMW10-1MSPC | 12/14/02 | 0449 | 14.50 | 3.66 | |
| 06 | SSMW10-1MSDP | 12/14/02 | 0512 | 14.51 | 3.66 | |
| 07 | SSMW10-1 | 12/14/02 | 0818 | 14.50 | 3.65 | |
| 08 | PIBLKWC | 12/14/02 | 0904 | 14.49 | 3.66 | |
| 09 | AR1660WD | 12/14/02 | 0927 | 14.50 | 3.66 | |
| 10 | INDAMWD | 12/14/02 | 0951 | 14.50 | 3.66 | |
| 11 | INDBMWD | 12/14/02 | 1013 | 14.50 | 3.65 | |
| 12 | | | | | | |
| 13 | | | | | | |
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| 31 | | | | | | |
| 32 | | | | | | |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/13/02 12/13/02

Instrument ID: VARIAN72

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 16.93 | | | TCX: 4.62 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | PEMVP | 12/13/02 | 0909 | 16.94 | 4.62 |
| 02 | INDA1VP | 12/13/02 | 0932 | 16.95 | 4.63 |
| 03 | INDB1VP | 12/13/02 | 0955 | 16.93 | 4.61 |
| 04 | INDA2VP | 12/13/02 | 1018 | 16.94 | 4.62 |
| 05 | INDB2VP | 12/13/02 | 1042 | 16.93 | 4.61 |
| 06 | INDA3VP | 12/13/02 | 1105 | 16.94 | 4.62 |
| 07 | INDB3VP | 12/13/02 | 1128 | 16.93 | 4.62 |
| 08 | INDA4VP | 12/13/02 | 1152 | 16.93 | 4.61 |
| 09 | INDB4VP | 12/13/02 | 1215 | 16.94 | 4.62 |
| 10 | INDA5VP | 12/13/02 | 1238 | 16.93 | 4.62 |
| 11 | INDB5VP | 12/13/02 | 1301 | 16.93 | 4.62 |
| 12 | TOXAPH4VP | 12/13/02 | 1325 | 16.92 | 4.61 |
| 13 | CHLORO4VP | 12/13/02 | 1348 | 16.93 | 4.62 |
| 14 | AR16601VP | 12/13/02 | 1411 | 16.92 | 4.61 |
| 15 | AR16602VP | 12/13/02 | 1435 | 16.92 | 4.61 |
| 16 | AR16603VP | 12/13/02 | 1458 | 16.93 | 4.61 |
| 17 | AR16604VP | 12/13/02 | 1521 | 16.93 | 4.61 |
| 18 | AR16605VP | 12/13/02 | 1544 | 16.92 | 4.61 |
| 19 | AR12214VP | 12/13/02 | 1608 | 16.91 | 4.60 |
| 20 | AR12324VP | 12/13/02 | 1631 | 16.92 | 4.60 |
| 21 | AR12424VP | 12/13/02 | 1654 | 16.90 | 4.60 |
| 22 | AR12484VP | 12/13/02 | 1717 | 16.90 | 4.60 |
| 23 | AR12544VP | 12/13/02 | 1741 | 16.92 | 4.60 |
| 24 | PIBLKV | 12/14/02 | 0316 | 16.89 | 4.59 |
| 25 | AR1660VV | 12/14/02 | 0339 | 16.89 | 4.59 |
| 26 | INDAMVV | 12/14/02 | 0403 | 16.90 | 4.59 |
| 27 | INDBMVV | 12/14/02 | 0425 | 16.91 | 4.60 |
| 28 | SSMW10-1MSPC | 12/14/02 | 0449 | 16.89 | 4.59 |
| 29 | SSMW10-1MSDP | 12/14/02 | 0512 | 16.90 | 4.59 |
| 30 | SSMW10-1 | 12/14/02 | 0818 | 16.89 | 4.58 |
| 31 | PIBLKWD | 12/14/02 | 0904 | 16.89 | 4.59 |
| 32 | AR1660WD | 12/14/02 | 0927 | 16.89 | 4.59 |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES))
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/13/02 12/13/02

Instrument ID: VARIAN72

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 16.93 | | | TCX: 4.62 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | INDAMWD | 12/14/02 | 0951 | 16.89 | 4.59 |
| 02 | INDBMWD | 12/14/02 | 1013 | 16.89 | 4.59 |
| 03 | | | | | |
| 04 | | | | | |
| 05 | | | | | |
| 06 | | | | | |
| 07 | | | | | |
| 08 | | | | | |
| 09 | | | | | |
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| 11 | | | | | |
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| 26 | | | | | |
| 27 | | | | | |
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| 30 | | | | | |
| 31 | | | | | |
| 32 | | | | | |

QC LIMITS
S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-MW11-0

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-17

Date(s) Analyzed: 12/19/02 12/19/02

Instrument ID (1): TRACEGC82

Instrument ID (2): TRACEGC83

GC Column(1): CLPEST

ID: 0.53(mm)

GC Column(2): CLPEST2

ID: 0.53(mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|-----------------|-----|-------|-----------|-------|---------------|------|
| | | | FROM | TO | | |
| beta-BHC | 1 | 6.33 | 6.32 | 6.46 | 1.7 | |
| | 2 | 7.75 | 7.69 | 7.83 | 3.7 | 74.1 |
| delta-BHC | 1 | 6.76 | 6.71 | 6.85 | 1.3 | |
| | 2 | 8.47 | 8.43 | 8.57 | 1.1 | 16.7 |
| 4,4'-DDE | 1 | 10.51 | 10.42 | 10.56 | 1.3 | |
| | 2 | 12.35 | 12.25 | 12.39 | 3.1 | 81.8 |
| Endrin Aldehyde | 1 | 13.02 | 13.02 | 13.16 | 0.66 | |
| | 2 | 14.62 | 14.54 | 14.68 | 0.97 | 38.0 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB01-1

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-9

Date(s) Analyzed: 12/19/02 12/19/02

Instrument ID (1): TRACEGC82

Instrument ID (2): TRACEGC83

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE ===== | COL ===== | RT ===== | RT WINDOW | | CONCENTRATION ===== | RPD ===== |
|--------------------|--------------|-------------|---------------|-------------|------------------------|--------------|
| | | | FROM ===== | TO ===== | | |
| Aldrin | 1 | 7.86 | 7.86 | 8.00 | 11 | |
| | 2 | 9.30 | 9.29 | 9.43 | 9.9 | 10.5 |
| beta-BHC | 1 | 6.36 | 6.32 | 6.46 | 100 | |
| | 2 | 7.76 | 7.69 | 7.83 | 0.52 | 197.9 |
| Endosulfan sulfate | 1 | 14.06 | 14.05 | 14.20 | 4.7 | |
| | 2 | 15.26 | 15.21 | 15.35 | 6.7 | 35.1 |
| Endrin Ketone | 1 | 14.71 | 14.64 | 14.79 | 11 | |
| | 2 | 16.48 | 16.42 | 16.56 | 8.6 | 24.5 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB01-1DL

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-9

Date(s) Analyzed: 12/12/02 12/12/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|-----------------|-----|-------|-----------|-------|---------------|-------|
| ===== | === | ===== | ===== | ===== | ===== | ===== |
| Endrin Aldehyde | 1 | 15.34 | 15.33 | 15.47 | 13 | |
| | 2 | 17.75 | 17.70 | 17.84 | 11 | 16.7 |
| Endrin Ketone | 1 | 17.58 | 17.52 | 17.66 | 3.0 | |
| | 2 | 20.30 | 20.25 | 20.39 | 9.9 | 107.0 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB01-4

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-10

Date(s) Analyzed: 12/12/02 12/12/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|-----------------|-------|-------|-----------|-------|---------------|-------|
| ===== | ===== | ===== | FROM | TO | ===== | ===== |
| Endrin Aldehyde | 1 | 15.34 | 15.33 | 15.47 | 0.88 | |
| | 2 | 17.74 | 17.70 | 17.84 | 0.45 | 64.7 |
| Endrin Ketone | 1 | 17.58 | 17.52 | 17.66 | 1.1 | |
| | 2 | 20.30 | 20.25 | 20.39 | 0.65 | 51.4 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
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| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB02-4

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-7

Date(s) Analyzed: 12/12/02 12/12/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53(mm)

GC Column(2): CLPEST2

ID: 0.53(mm)

| ANALYTE ===== | COL ===== | RT ===== | RT WINDOW | | CONCENTRATION ===== | RPD ===== |
|------------------|--------------|-------------|-----------|-------|------------------------|--------------|
| | | | FROM | TO | | |
| Endrin Ketone | 1 | 17.57 | 17.52 | 17.66 | 1.2 | |
| | 2 | 20.31 | 20.25 | 20.39 | 1.9 | 45.2 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
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| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB03-0

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-2

Date(s) Analyzed: 12/19/02 12/19/02

Instrument ID (1): TRACEGC82

Instrument ID (2): TRACEGC83

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|--------------------|-----|-------|-----------|-------|---------------|------|
| | | | FROM | TO | | |
| Aldrin | 1 | 7.87 | 7.86 | 8.00 | 110 | |
| | 2 | 9.31 | 9.29 | 9.43 | 110 | 0.0 |
| Endosulfan sulfate | 1 | 14.10 | 14.05 | 14.20 | 43 | |
| | 2 | 15.27 | 15.21 | 15.35 | 69 | 46.4 |
| Endrin Ketone | 1 | 14.73 | 14.64 | 14.79 | 110 | |
| | 2 | 16.50 | 16.42 | 16.56 | 43 | 87.6 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
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| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB03-1

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-3

Date(s) Analyzed: 12/19/02 12/19/02

Instrument ID (1): TRACEGC82

Instrument ID (2): TRACEGC83

GC Column(1): CLPEST

ID: 0.53(mm)

GC Column(2): CLPEST2

ID: 0.53(mm)

| ANALYTE ===== | COL ===== | RT ===== | RT WINDOW | | CONCENTRATION ===== | RPD ===== |
|--------------------|--------------|-------------|---------------|-------------|------------------------|--------------|
| | | | FROM ===== | TO ===== | | |
| Aldrin | 1 | 7.86 | 7.86 | 8.00 | 15 | |
| | 2 | 9.30 | 9.29 | 9.43 | 13 | 14.3 |
| Endosulfan I | 1 | 10.43 | 10.31 | 10.45 | 0.90 | |
| | 2 | 11.78 | 11.72 | 11.86 | 0.58 | 43.2 |
| Endosulfan sulfate | 1 | 14.06 | 14.05 | 14.20 | 5.7 | |
| | 2 | 15.25 | 15.21 | 15.35 | 5.3 | 7.3 |
| Endrin Ketone | 1 | 14.72 | 14.64 | 14.79 | 14 | |
| | 2 | 16.48 | 16.42 | 16.56 | 9.4 | 39.3 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB03-4

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-4

Date(s) Analyzed: 12/12/02 12/12/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|---------------|-----|-------|-----------|-------|---------------|------|
| | | | FROM | TO | | |
| Endrin Ketone | 1 | 17.65 | 17.52 | 17.66 | 0.93 | |
| | 2 | 20.32 | 20.25 | 20.39 | 1.5 | 46.9 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB04-0

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-11

Date(s) Analyzed: 12/20/02 12/20/02

Instrument ID (1): TRACEGC82

Instrument ID (2): TRACEGC83

GC Column(1): CLPEST

ID: 0.53(mm)

GC Column(2): CLPEST2

ID: 0.53(mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|--------------------|-----|-------|-----------|-------|---------------|------|
| | | | FROM | TO | | |
| Aldrin | 1 | 7.87 | 7.86 | 8.00 | 36 | |
| | 2 | 9.31 | 9.29 | 9.43 | 29 | 21.5 |
| Endosulfan sulfate | 1 | 14.07 | 14.05 | 14.20 | 24 | |
| | 2 | 15.26 | 15.21 | 15.35 | 25 | 4.1 |
| Endrin Ketone | 1 | 14.72 | 14.64 | 14.79 | 31 | |
| | 2 | 16.49 | 16.42 | 16.56 | 18 | 53.1 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB04-4

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-13

Date(s) Analyzed: 12/12/02 12/12/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE ===== | COL === | RT ===== | RT WINDOW | | CONCENTRATION ===== | RPD ===== |
|--------------------|------------|-------------|-----------|-------|------------------------|--------------|
| | | | FROM | TO | | |
| Dieldrin | 1 | 12.63 | 12.56 | 12.70 | 2.3 | |
| | 2 | 14.96 | 14.88 | 15.02 | 7.1 | 102.1 |
| Endosulfan sulfate | 1 | 16.72 | 16.71 | 16.86 | 13 | |
| | 2 | 18.73 | 18.61 | 18.75 | 12 | 8.0 |
| Endrin Ketone | 1 | 17.59 | 17.52 | 17.66 | 7.3 | |
| | 2 | 20.31 | 20.25 | 20.39 | 4.9 | 39.3 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB05-ODL

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-14

Date(s) Analyzed: 12/12/02 12/12/02

Instrument ID (1): VARIAN34

Instrument ID (2): VARIAN35

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|--------------------|-------|-------|-----------|-------|---------------|-------|
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| Endosulfan sulfate | 1 | 16.71 | 16.71 | 16.86 | 110 | |
| | 2 | 18.73 | 18.61 | 18.75 | 110 | 0.0 |
| Endrin Ketone | 1 | 17.60 | 17.52 | 17.66 | 72 | |
| | 2 | 20.33 | 20.25 | 20.39 | 29 | 85.1 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-SB05-1

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-15

Date(s) Analyzed: 12/19/02 12/19/02

Instrument ID (1): TRACEGC82

Instrument ID (2): TRACEGC83

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|--------------------|-----|-------|-----------|-------|---------------|-------|
| | | | FROM | TO | | |
| alpha-BHC | 1 | 5.34 | 5.27 | 5.41 | 0.74 | |
| | 2 | 6.48 | 6.45 | 6.59 | 0.58 | 24.2 |
| delta-BHC | 1 | 6.77 | 6.71 | 6.85 | 0.64 | |
| | 2 | 8.49 | 8.43 | 8.57 | 0.66 | 3.1 |
| Endosulfan sulfate | 1 | 14.05 | 14.05 | 14.20 | 0.80 | |
| | 2 | 15.27 | 15.21 | 15.35 | 0.56 | 35.3 |
| Heptachlor | 1 | 7.19 | 7.17 | 7.30 | 0.58 | |
| | 2 | 8.61 | 8.50 | 8.64 | 1.0 | 53.2 |
| Endrin Ketone | 1 | 14.69 | 14.64 | 14.79 | 4.2 | |
| | 2 | 16.42 | 16.42 | 16.56 | 1.3 | 105.4 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SSMW10-1

b Name: COMPUCHEM

Contract: 8081A

Lab Code: COMPU

Case No.:

SAS No.:

SDG No.: R2812

Lab Sample ID: R2812-1

Date(s) Analyzed: 12/14/02 12/14/02

Instrument ID (1): VARIAN70

Instrument ID (2): VARIAN72

GC Column(1): CLPEST

ID: 0.53 (mm)

GC Column(2): CLPEST2

ID: 0.53 (mm)

| ANALYTE | COL | RT | RT WINDOW | | CONCENTRATION | RPD |
|----------|-----|------|-----------|------|---------------|------|
| | | | FROM | TO | | |
| beta-BHC | 1 | 5.59 | 5.49 | 5.62 | 2.4 | |
| | 2 | 6.86 | 6.84 | 6.98 | 1.5 | 46.2 |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |
| | 1 | | | | | |
| | 2 | | | | | |

CompuChem

a Division of Liberty Analytical Corp.

501 Madison Avenue Cary, NC 27513

INORGANIC CASE SUMMARY NARRATIVE

SDG # R2812

PROTOCOL # SW-846

The indicated Sample Delivery Group (SDG) consisting of twenty (20) soil samples was received into the laboratory management system (LIMS) on December 4, 6, and 12, 2002 intact and in good condition with Chains of Custody (COC) records in order. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

Samples received 12/12/02 were found to have a temperature of 7.2 degrees Celsius. Please see the QA notice located behind the narrative.

Three samples were analyzed for total iron and seventeen samples were analyzed for total TAL metals using analytical methods delineated in SW-846 (Third Edition)-Update III.

SAMPLE IDs:

Customer IDs and correlating laboratory IDs are listed on the cover page.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within SW-846 allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCSS & PBS) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

COMPUCHEM utilizes a soil Laboratory Control Sample (LCS) purchased from Environmental Resources Associates (ERA). With each lot of soil LCS material purchased, a certification document is included which provides Performance Acceptance Limits™ (PAL™). The limits are listed as guidelines for acceptable results and closely approximate the 95% confidence interval. As with any LCS, it is a QC measure used to demonstrate control and any results, which are outside the acceptance criteria, require corrective action up to and including redigesting and reanalyzing the entire sample preparation batch.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, CCN = WG21923-1 (SSMW10-1S) was found to be outside control limits for thallium. The sample matrix spike duplicate, CCN = WG21923-2 (SSMW10-1SD) was found to be outside control limits for lead and thallium. The reported concentrations for these analytes are flagged with an "N" on all associated Form 1 and on Form 5a.

An "N" indicates a matrix-related interference in the sample preparation procedure &/or analysis for the flagged analyte. This is normally the consequence of a relatively high anionic content in the sample or (for some sediments) an inconsistent sample matrix relative to that analyte.

SW-846 control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more. In this case, affected analytes are not flagged even if recoveries are outside percentage recovery control limits.

Post-digestion spikes are mandatory for analytes demonstrating unsatisfactory matrix spike recoveries during ICP analysis (excluding silver). The results of such spikes are presented on Form 5b.

Unsatisfactory recovery of post-digestion spikes of this type do not have bearing upon the aforementioned "N" flags, but may indicate interference during analysis &/or a solution matrix which is hostile to the analyte in question.

Satisfactory recovery of an analyte in a post-digestion spike of this type implies interference by the required preparation procedure or in the sample matrix itself. Lack of uniformity for an analyte in sediments will also result in satisfactory recovery of post-digestion spikes after failure in the related matrix spike.

The sample matrix duplicate, CCN = WG21923-3 (SSMW10-1D) was outside control limits for lead. The reported concentration for this analyte is flagged with a "*" on all associated Form 1 and on Form 6.

A "*" indicates a non-homogeneous sample matrix in regard to the flagged analyte. This is normally the consequence of a relatively coarse texture or of a mixed-matrix in sediment samples.

SW-846 control limits for duplicate determinations are $\pm 20\%$ Relative Percent Difference (RPD) for concentrations greater than or equal to five times the PQL in both the original and duplicate samples, and \pm the PQL for concentrations less than five times the PQL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

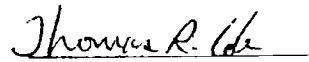
A five-fold serial dilution of sample, CCN = R2812-1 (SSMW10-1L) was performed in accordance with SW-846 requirements for ICP analysis.

The adjusted sample concentrations were outside control limits for magnesium, which is flagged with an "E" on all associated Form 1, the Cover Page and Form 9.

An "E" indicates that a chemical or physical interference effect was encountered during the analysis of the flagged analyte. As a result of this interference, all values for the analyte in the same matrix must be considered to be estimated quantities.

SW-846 control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.


Thomas R. Cole
Data Reviewer II
December 18, 2002



CompuChem

a division of Liberty Analytical Corporation

QUALITY ASSURANCE NOTICE

Client Harold Peerie Inc
Case # _____
Type of Analysis _____
Receipt Date 12-12-02

For some organic and/or inorganic determinations temperature preservation at 4 degrees Celsius is required for environmental samples during shipment to the laboratory and prior to analysis. A temperature tolerance range is generally allowed. Temperature of a representative sample from the shipping container is taken and recorded by the receiving clerk at the time of sample receipt. This temperature is representative of all samples contained in the cooler. The EPA CLP program requires the laboratory make notification when the temperature exceeds 10 degrees Celsius. The State of North Carolina allows a range of 2-4.4° Celsius. Notification to other clients is either client or project dependent.

Samples that are hand delivered to the laboratory immediately after collection may not meet this criteria. In these cases, the samples shall be considered acceptable if there is evidence that the chilling process has begun, such as arrival on ice.

The temperature of this sample at the time of receipt was determined to be 7.2°C

A CompuChem customer service representative contacted the client. The client instructed the Receiving department to:

Hand Delivery/Received on ice ☒ ATK 12/12/02

Analyze - qualify with notice _____

Dispose - client will resample _____

Supervisor Signature/ID

Camp

Date

12-12-02

QAN-R-3
020205

qanr3 - 2/5/02:dcc

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: R2812AA CRDL Standard Source: HIPURICP CRDL Standard Source: HIPUR

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|-----------|------|-------|-------|-----------------------|------------------|---------------|----------------|-------------|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R |
| Aluminum | | | | 100.0 | 92.53 | 92.5 | | |
| Antimony | | | | 10.0 | 9.62 | 96.2 | | |
| Arsenic | | | | 10.0 | 8.69 | 86.9 | | |
| Barium | | | | 10.0 | 10.72 | 107.2 | | |
| Beryllium | | | | 5.0 | 5.10 | 102.0 | | |
| Cadmium | | | | 5.0 | 6.24 | 124.8 | | |
| Calcium | | | | 1000.0 | 1027.82 | 102.8 | | |
| Chromium | | | | 5.0 | 5.11 | 102.2 | | |
| Cobalt | | | | 5.0 | 5.09 | 101.8 | | |
| Copper | | | | 5.0 | 3.94 | 78.8 | | |
| Iron | | | | 100.0 | 91.65 | 91.6 | | |
| Lead | | | | 3.0 | 3.27 | 109.0 | | |
| Magnesium | | | | 1000.0 | 991.64 | 99.2 | | |
| Manganese | | | | 10.0 | 9.96 | 99.6 | | |
| Mercury | 0.2 | 0.21 | 105.0 | | | | | |
| Nickel | | | | 5.0 | 5.66 | 113.2 | | |
| Potassium | | | | 1000.0 | 1231.32 | 123.1 | | |
| Selenium | | | | 5.0 | 7.98 | 159.6 | | |
| Silver | | | | 5.0 | 4.73 | 94.6 | | |
| Sodium | | | | 2000.0 | 1473.57 | 73.7 | | |
| Thallium | | | | 10.0 | 10.56 | 105.6 | | |
| Vanadium | | | | 20.0 | 19.49 | 97.4 | | |
| Zinc | | | | 20.0 | 20.76 | 103.8 | | |

Control Limits: no limits have been established by EPA at this time

2B-IN
CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: R2812

AA CRDL Standard Source: HIPUR

ICP CRDL Standard Source: HIPUR

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|-----------|------|-------|----|-----------------------|------------------|---------------|----------------|-------------|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R |
| Aluminum | | | | 100.0 | 115.60 | 115.6 | | |
| Antimony | | | | 10.0 | 9.93 | 99.3 | | |
| Arsenic | | | | 10.0 | 8.98 | 89.8 | | |
| Barium | | | | 10.0 | 10.55 | 105.5 | | |
| Beryllium | | | | 5.0 | 5.03 | 100.6 | | |
| Cadmium | | | | 5.0 | 5.12 | 102.4 | | |
| Calcium | | | | 1000.0 | 1015.36 | 101.5 | | |
| Chromium | | | | 5.0 | 4.52 | 90.4 | | |
| Cobalt | | | | 5.0 | 5.19 | 103.8 | | |
| Copper | | | | 5.0 | 4.04 | 80.8 | | |
| Iron | | | | 100.0 | 94.54 | 94.5 | | |
| Lead | | | | 3.0 | 2.78 | 92.7 | | |
| Magnesium | | | | 1000.0 | 963.30 | 96.3 | | |
| Manganese | | | | 10.0 | 10.03 | 100.3 | | |
| Nickel | | | | 5.0 | 4.87 | 97.4 | | |
| Potassium | | | | 1000.0 | 1084.44 | 108.4 | | |
| Selenium | | | | 5.0 | 6.76 | 135.2 | | |
| Silver | | | | 5.0 | 4.99 | 99.8 | | |
| Sodium | | | | 2000.0 | 1618.98 | 80.9 | | |
| Thallium | | | | 10.0 | 7.68 | 76.8 | | |
| Vanadium | | | | 20.0 | 19.88 | 99.4 | | |
| Zinc | | | | 20.0 | 20.04 | 100.2 | | |

Control Limits: no limits have been established by EPA at this time

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | M |
|-----------|--------------------------------------|--|---|---------|---|---------|---|----------------------|--|----|
| | | 1 | C | 2 | C | 3 | C | C | | |
| Aluminum | 21.8 U | 21.8 U | | 21.8 U | | 21.8 U | | 2.180 U | | P |
| Antimony | 3.7 U | 3.7 U | | 3.7 U | | 3.7 U | | 0.370 U | | P |
| Arsenic | 2.5 U | 2.5 U | | 2.5 U | | 2.5 U | | 0.250 U | | P |
| Barium | 0.4 B | 0.6 B | | 0.9 B | | 0.7 B | | 0.047 B | | P |
| Beryllium | 0.1 U | 0.2 B | | 0.5 B | | 0.3 B | | 0.010 U | | P |
| Cadmium | 0.4 U | 0.4 U | | 0.8 B | | 0.5 B | | 0.040 U | | P |
| Calcium | 9.6 U | 25.0 B | | 22.4 B | | 11.9 B | | 0.960 U | | P |
| Chromium | 0.6 U | 0.6 U | | 0.6 U | | 0.6 U | | 0.060 U | | P |
| Cobalt | 0.6 U | 0.6 U | | 0.7 B | | 0.6 U | | 0.060 U | | P |
| Copper | 1.4 U | 1.4 U | | 1.4 U | | 1.4 U | | 0.140 U | | P |
| Iron | 13.7 U | 13.7 U | | 13.7 U | | 13.7 U | | 1.370 U | | P |
| Lead | 2.3 U | 2.3 U | | 2.3 U | | 2.3 U | | 0.230 U | | P |
| Magnesium | 62.7 B | 86.0 B | | 86.2 B | | 75.0 B | | 6.166 B | | P |
| Manganese | 0.2 U | 0.2 U | | 0.4 B | | 0.3 B | | 0.020 U | | P |
| Mercury | 0.1 U | 0.1 U | | 0.1 U | | 0.1 U | | 0.017 U | | CV |
| Nickel | 1.0 U | 1.0 U | | 1.0 U | | 1.0 U | | 0.100 U | | P |
| Potassium | 172.2 B | 164.8 B | | 295.4 B | | 269.6 B | | 24.902 B | | P |
| Selenium | 3.3 U | 3.3 U | | 3.3 U | | 3.3 U | | 0.330 U | | P |
| Silver | 0.7 U | 0.7 U | | 0.7 U | | 0.7 U | | 0.070 U | | P |
| Sodium | 248.7 U | 248.7 U | | 248.7 U | | 248.7 U | | 24.870 U | | P |
| Thallium | 5.1 U | 5.1 U | | 5.1 U | | 5.1 U | | 0.510 U | | P |
| Vanadium | 0.7 U | 0.7 U | | 0.7 U | | 0.7 U | | 0.070 U | | P |
| Zinc | 1.0 U | 1.0 U | | 1.0 U | | 1.0 U | | 0.250 B | | P |

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: R2812Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|-----------|--------------------------------------|---|--|---|--------|---|--------|---|----------------------|---|----|
| | | | 4 1 | C | 5 2 | C | 6 3 | C | | | |
| Aluminum | | | 21.8 | U | 21.8 | U | 50.4 | B | | | P |
| Antimony | | | 3.7 | U | 3.7 | U | 3.7 | U | | | P |
| Arsenic | | | 2.5 | U | 2.5 | U | 2.5 | U | | | P |
| Barium | | | 0.7 | B | 0.6 | B | 0.6 | B | | | P |
| Beryllium | | | 0.3 | B | 0.2 | B | 0.1 | B | | | P |
| Cadmium | | | 0.6 | B | 0.4 | U | 0.4 | B | | | P |
| Calcium | | | 11.8 | B | 9.6 | U | 9.6 | U | | | P |
| Chromium | | | 0.6 | U | 0.6 | U | 0.6 | U | | | P |
| Cobalt | | | 0.6 | U | 0.6 | U | 0.6 | U | | | P |
| Copper | | | 1.4 | U | 1.4 | U | 1.4 | U | | | P |
| Iron | | | 13.7 | U | 13.7 | U | 13.7 | U | | | P |
| Lead | | | 2.3 | U | 2.3 | U | 2.3 | U | | | P |
| Magnesium | | | 76.1 | B | 70.7 | B | 70.3 | B | | | P |
| Manganese | | | 0.2 | U | 0.2 | U | 0.2 | B | | | P |
| Mercury | | | 0.1 | U | 0.1 | U | 0.1 | U | | | CV |
| Nickel | | | 1.0 | U | 1.0 | U | 1.0 | U | | | P |
| Potassium | | | 270.1 | B | 290.9 | B | 312.4 | B | | | P |
| Selenium | | | 3.3 | U | 3.3 | U | 3.3 | U | | | P |
| Silver | | | 0.7 | U | 0.7 | U | 0.7 | U | | | P |
| Sodium | | | 248.7 | U | 248.7 | U | 248.7 | U | | | P |
| Thallium | | | 5.1 | U | 5.1 | U | 5.1 | U | | | P |
| Vanadium | | | 0.7 | U | 0.7 | U | 0.7 | U | | | P |
| Zinc | | | 1.0 | U | 1.0 | U | 1.0 | U | | | P |

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812
 Preparation Blank Matrix (soil/water): WATER
 Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|---------|--------------------------------------|--|-------|---|--|--|--|----------------------|----|
| | | 1 | 2 | 3 | | | | | |
| Mercury | | 0.1 U | 0.1 U | | | | | | CV |

BLANKS

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: R2812

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|-----------|--------------------------------------|--|---|---------|---|---------|---|----------------------|---|---|
| | | 1 | C | 2 | C | 3 | C | | | |
| Aluminum | 21.8 U | 21.8 U | | 21.8 U | | 21.8 U | | | | P |
| Antimony | 3.7 U | 3.7 U | | 3.7 U | | 3.7 U | | | | P |
| Arsenic | 2.5 U | 2.5 U | | 2.5 U | | 2.5 U | | | | P |
| Barium | 0.4 B | 0.5 B | | 0.6 B | | 0.5 B | | | | P |
| Beryllium | 0.1 U | 0.1 U | | 0.2 B | | 0.1 U | | | | P |
| Cadmium | 0.4 U | 0.4 U | | 0.4 U | | 0.4 U | | | | P |
| Calcium | 9.6 U | 9.6 U | | 10.5 B | | 9.6 U | | | | P |
| Chromium | 0.6 U | 0.6 U | | 0.6 U | | 0.6 U | | | | P |
| Cobalt | 0.6 U | 0.6 U | | 0.6 U | | 0.6 U | | | | P |
| Copper | 1.4 U | 1.4 U | | 1.4 U | | 1.4 U | | | | P |
| Iron | 13.7 U | 13.7 U | | 13.7 U | | 13.7 U | | | | P |
| Lead | 2.3 U | 2.3 U | | 2.3 U | | 2.3 U | | | | P |
| Magnesium | 61.1 B | 67.2 B | | 70.5 B | | 66.6 B | | | | P |
| Manganese | 0.2 U | 0.2 U | | 0.2 B | | 0.2 U | | | | P |
| Nickel | 1.0 U | 1.0 U | | 1.0 U | | 1.0 U | | | | P |
| Potassium | 118.5 U | 120.8 B | | 120.8 B | | 159.0 B | | | | P |
| Selenium | 3.3 U | 3.3 U | | 3.3 U | | 3.3 U | | | | P |
| Silver | 0.7 U | 0.7 U | | 0.7 U | | 0.7 U | | | | P |
| Sodium | 248.7 U | 248.7 U | | 248.7 U | | 248.7 U | | | | P |
| Thallium | 5.1 U | 5.1 U | | 5.1 U | | 5.1 U | | | | P |
| Vanadium | 0.7 U | 0.7 U | | 0.7 U | | 0.7 U | | | | P |
| Zinc | 1.0 U | 1.0 U | | 1.0 U | | 1.0 U | | | | P |

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SSMW10-1S

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 90.6Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|-----------|------------------|----------------------------|---|--------------------|---|------------------|-------|---|----|
| Antimony | 75 - 125 | 42.0382 | | 0.4094 | B | 55.19 | 75.4 | | P |
| Arsenic | 75 - 125 | 5.1823 | | 1.2159 | | 4.42 | 89.7 | | P |
| Barium | 75 - 125 | 217.1319 | | 4.2945 | | 220.75 | 96.4 | | P |
| Beryllium | 75 - 125 | 5.2711 | | 0.0381 | B | 5.52 | 94.8 | | P |
| Cadmium | 75 - 125 | 5.1538 | | 0.0442 | U | 5.52 | 93.4 | | P |
| Chromium | 75 - 125 | 28.0556 | | 4.4197 | | 22.08 | 107.0 | | P |
| Cobalt | 75 - 125 | 52.9161 | | 0.5402 | B | 55.19 | 94.9 | | P |
| Copper | 75 - 125 | 22.6256 | | 0.3895 | B | 27.59 | 80.6 | | P |
| Lead | 75 - 125 | 4.4860 | | 2.6028 | | 2.21 | 85.2 | | P |
| Manganese | 75 - 125 | 58.4551 | | 4.6071 | | 55.19 | 97.6 | | P |
| Mercury | 75 - 125 | 0.2009 | | 0.0184 | U | 0.18 | 111.6 | | CV |
| Nickel | 75 - 125 | 53.9069 | | 0.7625 | | 55.19 | 96.3 | | P |
| Selenium | 75 - 125 | 1.2839 | | 0.3642 | U | 1.10 | 116.7 | | P |
| Silver | 75 - 125 | 5.0381 | | 0.0773 | U | 5.52 | 91.3 | | P |
| Thallium | 75 - 125 | 3.9978 | | 0.5629 | U | 5.52 | 72.4 | N | P |
| Vanadium | 75 - 125 | 58.6915 | | 3.6257 | | 55.19 | 99.8 | | P |
| Zinc | 75 - 125 | 56.3809 | | 5.3512 | | 55.19 | 92.5 | | P |

Comments: _____

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SSMW10-1SD

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOIL% Solids for Sample: 90.6Level (low/med): LOW

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|-----------|------------------|----------------------------|---|--------------------|---|------------------|-------|---|----|
| Antimony | 75 - 125 | 42.1854 | | 0.4094 | B | 55.19 | 75.7 | | P |
| Arsenic | 75 - 125 | 4.9948 | | 1.2159 | | 4.42 | 85.5 | | P |
| Barium | 75 - 125 | 215.9480 | | 4.2945 | | 220.75 | 95.9 | | P |
| Beryllium | 75 - 125 | 5.2424 | | 0.0381 | B | 5.52 | 94.3 | | P |
| Cadmium | 75 - 125 | 5.1041 | | 0.0442 | U | 5.52 | 92.5 | | P |
| Chromium | 75 - 125 | 28.0180 | | 4.4197 | | 22.08 | 106.9 | | P |
| Cobalt | 75 - 125 | 52.6553 | | 0.5402 | B | 55.19 | 94.4 | | P |
| Copper | 75 - 125 | 21.8315 | | 0.3895 | B | 27.59 | 77.7 | | P |
| Lead | 75 - 125 | 8.0626 | | 2.6028 | | 2.21 | 247.0 | N | P |
| Manganese | 75 - 125 | 58.0363 | | 4.6071 | | 55.19 | 96.8 | | P |
| Mercury | 75 - 125 | 0.1967 | | 0.0184 | U | 0.18 | 109.3 | | CV |
| Nickel | 75 - 125 | 53.4115 | | 0.7625 | | 55.19 | 95.4 | | P |
| Selenium | 75 - 125 | 1.3712 | | 0.3642 | U | 1.10 | 124.7 | | P |
| Silver | 75 - 125 | 4.9543 | | 0.0773 | U | 5.52 | 89.8 | | P |
| Thallium | 75 - 125 | 3.9025 | | 0.5629 | U | 5.52 | 70.7 | N | P |
| Vanadium | 75 - 125 | 58.2560 | | 3.6257 | | 55.19 | 99.0 | | P |
| Zinc | 75 - 125 | 56.1656 | | 5.3512 | | 55.19 | 92.1 | | P |

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

SSMW10-1A

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|----------|---------------------|-------------------------------|---|-----------------------|---|---------------------|-------|---|---|
| Lead | | 30.09 | | 23.58 | | 6.0 | 108.5 | | P |
| Thallium | | 7.92 | B | 5.10 | U | 20.0 | 39.6 | | P |

Comments: _____

6

DUPLICATES

SAMPLE NO.

SSMW10-1D

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 90.6% Solids for Duplicate: 90.6

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|-----------|---------------|------------|---|---------------|---|------|---|----|
| Aluminum | | 1139.0920 | | 971.0672 | | 15.9 | | P |
| Antimony | | 0.4094 | B | 0.7425 | B | 57.8 | | P |
| Arsenic | 1.1 | 1.2159 | | 1.2210 | | 0.4 | | P |
| Barium | 1.1 | 4.2945 | | 3.6150 | | 17.2 | | P |
| Beryllium | | 0.0381 | B | 0.0369 | B | 3.2 | | P |
| Cadmium | | 0.0442 | U | 0.0442 | U | | | P |
| Calcium | 110.4 | 269.3316 | | 229.8640 | | 15.8 | | P |
| Chromium | | 4.4197 | | 4.6218 | | 4.5 | | P |
| Cobalt | | 0.5402 | B | 0.4211 | B | 24.8 | | P |
| Copper | | 0.3895 | B | 0.2048 | B | 62.2 | | P |
| Iron | | 1514.2360 | | 1404.4050 | | 7.5 | | P |
| Lead | | 2.6028 | | 2.0906 | | 21.8 | * | P |
| Magnesium | | 91.6909 | B | 85.2931 | B | 7.2 | | P |
| Manganese | 1.1 | 4.6071 | | 4.7483 | | 3.0 | | P |
| Mercury | | 0.0184 | U | 0.0184 | U | | | CV |
| Nickel | 0.6 | 0.7625 | | 0.7906 | | 3.6 | | P |
| Potassium | 110.4 | 156.6997 | | 149.5658 | | 4.7 | | P |
| Selenium | | 0.3642 | U | 0.3642 | U | | | P |
| Silver | | 0.0773 | U | 0.0773 | U | | | P |
| Sodium | | 57.2429 | B | 56.9195 | B | 0.6 | | P |
| Thallium | | 0.5629 | U | 0.5629 | U | | | P |
| Vanadium | 2.2 | 3.6257 | | 3.3944 | | 6.6 | | P |
| Zinc | 2.2 | 5.3512 | | 4.5275 | | 16.7 | | P |

SW-846 METALS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

SSMW10-1L

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Matrix (soil/water): SOIL

Level (low/med): _____

LOWConcentration Units: ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Differ- ence | Q | M |
|-----------|------------------------------|---|-------------------------------|---|-------------------|---|---|
| Aluminum | 10320.17 | | 10976.19 | | 6.4 | | P |
| Antimony | 3.71 | B | 18.50 | U | 100.0 | | P |
| Arsenic | 11.02 | | 12.50 | U | 100.0 | | P |
| Barium | 38.91 | | 41.86 | B | 7.6 | | P |
| Beryllium | 0.35 | B | 0.50 | U | 100.0 | | P |
| Cadmium | 0.40 | U | 2.00 | U | | | P |
| Calcium | 2440.14 | | 2572.12 | B | 5.4 | | P |
| Chromium | 40.04 | | 39.64 | | 1.0 | | P |
| Cobalt | 4.89 | B | 6.67 | B | 36.4 | | P |
| Copper | 3.53 | B | 7.00 | U | 100.0 | | P |
| Iron | 13718.98 | | 14195.63 | | 3.5 | | P |
| Lead | 23.58 | | 32.70 | | 38.7 | | P |
| Magnesium | 830.72 | B | 1111.15 | B | 33.8 | E | P |
| Manganese | 41.74 | | 42.54 | B | 1.9 | | P |
| Nickel | 6.91 | | 5.00 | U | 100.0 | | P |
| Potassium | 1419.70 | | 2677.14 | B | 88.6 | | P |
| Selenium | 3.30 | U | 16.50 | U | | | P |
| Silver | 0.70 | U | 3.50 | U | | | P |
| Sodium | 518.62 | B | 1243.50 | U | 100.0 | | P |
| Thallium | 5.10 | U | 25.50 | U | | | P |
| Vanadium | 32.85 | | 32.84 | B | 0.0 | | P |
| Zinc | 48.48 | | 66.87 | B | 37.9 | | P |

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Instrument ID Number: P4Method: PStart Date: 12/16/02End Date: 12/16/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K S | S E | A G | A L | T V | Z N | C N | | | | | |
| S0 | 1.00 | 1214 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | | | | |
| S | 1.00 | 1222 | | | | | | | X | | X | | X | | | | X | | X | X | | X | | X | | | | | | | |
| S | 1.00 | 1230 | | X | | | | | | X | | | | X | X | | | | | | | | | | | | | | | | |
| S | 1.00 | 1236 | | | | X | X | X | | | | X | | | | X | | | | | | | X | | | | | | | | |
| S | 1.00 | 1241 | | | | | | | | | | | | | | | | | X | | | X | | | | | | | | | |
| S | 1.00 | 1247 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1253 | | X | | | X | X | X | X | X | X | X | | X | X | | X | X | | X | | X | X | X | | | | | | |
| ICV | 1.00 | 1301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1309 | | | X | X | | | | | | | | | X | | | | | X | X | | X | | | | | | | | |
| ICB | 1.00 | 1317 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ZZZZZZ | 1.00 | 1325 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1334 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ICSAB | 1.00 | 1414 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCV | 1.00 | 1422 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCB | 1.00 | 1430 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ZZZZZZ | 1.00 | 1439 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1447 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1456 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1503 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1511 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1518 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1732 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCB | 1.00 | 1739 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| LRS | 1.00 | 1747 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ZZZZZZ | 1.00 | 1755 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1802 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1818 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1825 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1833 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1840 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1848 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1855 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1903 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCB | 1.00 | 1911 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ZZZZZZ | 1.00 | 1918 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1926 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1933 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Instrument ID Number: P4Method: PStart Date: 12/16/02End Date: 12/16/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A L | N T | V L | Z N | C N | | | | | |
| ZZZZZZ | 1.00 | 1941 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1948 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1956 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2026 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 2034 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| CCB | 1.00 | 2041 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| ZZZZZZ | 1.00 | 2049 | | | | | | | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | | | | |
| ZZZZZZ | 1.00 | 2057 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2112 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2119 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2127 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBS | 1.00 | 2134 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| LCSS | 1.00 | 2142 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SSMW10-1 | 1.00 | 2150 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SSMW10-1S | 1.00 | 2157 | | | X | X | X | X | X | | X | X | X | | X | | X | | X | X | | X | X | X | X | X | X | | | | |
| CCV | 1.00 | 2205 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| CCB | 1.00 | 2212 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SSMW10-1SD | 1.00 | 2220 | | | X | X | X | X | X | | X | X | X | | X | | X | | X | X | | X | X | X | X | X | X | | | | |
| SSMW10-1D | 1.00 | 2227 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SSMW10-1L | 5.00 | 2235 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SSMW10-1A | 1.00 | 2243 | | | | | | | | | | | | | X | | | | | | | X | | | | | | | | | |
| SS-SB03-0 | 1.00 | 2250 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SS-SB03-1 | 1.00 | 2258 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SS-SB03-4 | 1.00 | 2305 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SS-SB02-0 | 1.00 | 2313 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SS-SB02-1 | 1.00 | 2320 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| SS-SB02-4 | 1.00 | 2328 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| CCV | 1.00 | 2336 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |
| CCB | 1.00 | 2343 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | |

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBERTY

Case No.: _____

SAS No.: _____

SDG No.: R2812Instrument ID Number: P4Method: PStart Date: 12/17/02End Date: 12/17/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V | Z N | C N | | |
| S0 | 1.00 | 1411 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | |
| S | 1.00 | 1420 | | | | | | | X | | X | | X | | | | | X | | X | X | | X | | | X | | | |
| S | 1.00 | 1428 | | X | | | | | | X | | | | X | | X | | | | | | | | | | | | | |
| S | 1.00 | 1433 | | | | X | X | X | | | | | X | | | | X | | | | | | | | X | | | | |
| S | 1.00 | 1439 | | | | | | | | | | | | | | | | | | X | | | X | | | | | | |
| S | 1.00 | 1445 | | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1451 | | X | | | X | X | X | X | X | X | X | X | | X | X | | X | X | | | X | | X | X | | | |
| ICV | 1.00 | 1459 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1507 | | | X | X | | | | | | | | | X | | | | | | X | X | | X | | | | | |
| ICB | 1.00 | 1515 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| ZZZZZZ | 1.00 | 1523 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1531 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| ICSAB | 1.00 | 1540 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| CCV | 1.00 | 1548 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| CCB | 1.00 | 1556 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| LRS | 1.00 | 1605 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| ZZZZZZ | 1.00 | 1613 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1621 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1628 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-SB01-0 | 1.00 | 1636 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| SS-SB01-1 | 1.00 | 1644 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| SS-SB01-4 | 1.00 | 1651 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| SS-SB04-0 | 1.00 | 1659 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| SS-SB04-1 | 1.00 | 1706 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| SS-SB04-4 | 1.00 | 1714 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| CCV | 1.00 | 1721 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| CCB | 1.00 | 1729 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| SS-SB05-0 | 1.00 | 1737 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| SS-SB05-1 | 1.00 | 1744 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| SS-SB05-4 | 1.00 | 1752 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| SS-MW11-0 | 1.00 | 1759 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| GMW055 | 1.00 | 1807 | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| GMW09 | 1.00 | 1814 | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| GMW06 | 1.00 | 1822 | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1830 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1837 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1845 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1852 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |

14

Lab Name: COMPUCHEM

Contract:

Lab Code: LIBRTY

Case No. :

SAS No. :

SDG No.: R2812

Instrument ID Number: V3

Method: CV

Start Date: 12/16/02

End Date: 12/16/02

Form XIV - IN

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2812

Instrument ID Number: P4 Method: P

Start Date: 12/17/02 End Date: 12/17/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|---|--------|--------|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K | S E | A G | N A | T L | V | Z N | C N | | | | |
| CCB | 1.00 | 1900 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | |

Lab Name: COMPUchem

Contract:

Case No.:

SAS No. :

SDG No. : R2812

CV Method:

CV

Instrument ID Number:

ΕΛ

End Date:

12/16/02

Start Date: 12/16/02

| RPA Sample No. | | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|------|------|-----|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | S | A | B | B | C | D | E | A | R | C | C | O | U | E | F | P | M | G | N | H | I | K | S | A | G | A | N | T | V | Z | C |
| ZZZZZZ | | 1.00 | 1319 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1321 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1323 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1325 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1327 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1332 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | | 1.00 | 1334 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | | 1.00 | 1337 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1339 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1341 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1343 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1346 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1348 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1350 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1352 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1355 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1357 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1359 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | | 1.00 | 1401 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | | 1.00 | 1404 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1406 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1408 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1411 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1413 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | 1.00 | 1415 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBS | | 1.00 | 1417 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LCSS | | 1.00 | 1420 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SMMW10-1 | | 1.00 | 1422 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SMMW10-ID | | 1.00 | 1424 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SMMW10-IS | | 1.00 | 1427 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | | 1.00 | 1429 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | | 1.00 | 1431 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SMMW10-1SD | | 1.00 | 1433 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-9B03-0 | | 1.00 | 1436 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-9B03-1 | | 1.00 | 1438 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-9B03-4 | | 1.00 | 1440 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS-5B02-0 | | 1.00 | 1443 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ANALYSIS RUN LOG

Lab Name: COMPUCHEM
Lab Code: LIBERTY
Case No.:
SAS No.:
Contract:
Instrument ID Number: V3
Method: CV
SDG No.: R2812
Start Date: 12/16/02
End Date: 12/16/02

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | S | A | B | B | C | C | C | C | E | F | P | M | H |
| SS-SB02-1 | 1.00 | 1445 | | | | | | | | | | | | | | | X |
| SS-SB02-4 | 1.00 | 1447 | | | | | | | | | | | | | | | X |
| SS-SB01-0 | 1.00 | 1450 | | | | | | | | | | | | | | | X |
| SS-SB01-1 | 1.00 | 1452 | | | | | | | | | | | | | | | X |
| SS-SB01-4 | 1.00 | 1454 | | | | | | | | | | | | | | | X |
| CCV | 1.00 | 1456 | | | | | | | | | | | | | | | X |
| CCB | 1.00 | 1459 | | | | | | | | | | | | | | | X |
| SS-SB04-0 | 1.00 | 1501 | | | | | | | | | | | | | | | X |
| SS-SB04-1 | 1.00 | 1503 | | | | | | | | | | | | | | | X |
| SS-SB04-4 | 1.00 | 1506 | | | | | | | | | | | | | | | X |
| SS-SB05-0 | 1.00 | 1508 | | | | | | | | | | | | | | | X |
| SS-SB05-1 | 1.00 | 1510 | | | | | | | | | | | | | | | X |
| SS-SB05-4 | 1.00 | 1513 | | | | | | | | | | | | | | | X |
| SS-MW11-0 | 1.00 | 1515 | | | | | | | | | | | | | | | X |
| ZZZZZZ | 1.00 | 1517 | | | | | | | | | | | | | | | X |
| ZZZZZZ | 1.00 | 1519 | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1522 | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1524 | | | | | | | | | | | | | | | X |
| CCB | 1.00 | 1526 | | | | | | | | | | | | | | | X |

CompuChem

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Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG #S2812

SAMPLE IDENTIFICATIONS: TRIPBLANK ER-SS-120402 ER-SS-121002 TRIPBLANK2

The four water samples listed above were received intact, at 3.5, 4.9, 4.0, and 2.6 degrees C, in sealed shipping containers, on December 04, 09, and 11, 2002. All samples were submitted for volatile analysis, and samples ER-SS-120402, and ER-SS-121002 were also submitted for semivolatile, pesticide-PCB, and metals analysis. The volatile samples were prepared and analyzed following SW846 Method 8260, and this portion of the SDG narrative will only cover the volatile data. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # S2812 are included in the sample data sections.

Analysis Holding Time(AHT) requirements were met for all samples except TRIPBLANK, which was inadvertently misplaced, and was later analyzed five days out of AHT. This sample did however meet all QC criteria, and did not contain any reportable levels of target analytes. All sample pH values were less than 2.0, and a copy of the pH results accompanies this narrative.

No Target Compound List(TCL) analytes were identified above the reporting limits in the submitted samples.

Other than laboratory artifact peaks, no reportable Tentatively Identified Compounds (TICs) were present in the submitted samples.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

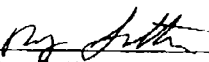
The system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples, and all of the internal standards met retention time and response criteria in the analyses of these samples.

The associated method blanks met all quality control criteria, and did not contain any target analytes above the reporting limits.

No duplicate matrix spikes were generated, however the associated Laboratory Control Samples (LCSs) met all accuracy requirements.

Manual quantitations were performed on the process files in some of the the associated initial, and continuing calibration(s). The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Roy Sutton
Case Reviewer
December 23, 2002

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Lab File ID: BG021222A59

BFB Injection Date: 12/22/02

Instrument ID: 5972HP59

BFB Injection Time: 1534

GC Column: ZB624

ID: 32.00 (mm)

Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 34.8 |
| 75 | 30.0 - 60.0% of mass 95 | 50.2 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.3 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 107.4 |
| 175 | 5.0 - 9.0% of mass 174 | 7.0 (6.5)1 |
| 176 | 95.0 - 101.0% of mass 174 | 106.7 (99.4)1 |
| 177 | 5.0 - 9.0% of mass 176 | 6.4 (6.0)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CS021222A59 | 12/22/02 | 1605 |
| 02 | VBLKHE | WG22051-1 | WG22051-1A59 T | 12/22/02 | 1651 |
| 03 | VHELCS | WG22051-4 | WG22051-4A59 T | 12/22/02 | 1726 |
| 04 | TRIPBLANK | S28212-1 | S2812-1RA59 | 12/22/02 | 1759 |
| 05 | | | | | |
| 06 | | | | | |
| 07 | | | | | |
| 08 | | | | | |
| 09 | | | | | |
| 10 | | | | | |
| 11 | | | | | |
| 12 | | | | | |
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| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Lab File ID: BF021213A52

BFB Injection Date: 12/13/02

Instrument ID: F50052

BFB Injection Time: 0947

GC Column: DB624

ID: 0.53 (mm)

Heated Purge: (Y/N) Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 18.4 |
| 75 | 30.0 - 60.0% of mass 95 | 44.5 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 54.8 |
| 175 | 5.0 - 9.0% of mass 174 | 3.7 (6.7)1 |
| 176 | 95.0 - 101.0% of mass 174 | 53.3 (97.4)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.5 (6.6)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CT021213A52 | 12/13/02 | 1127 |
| 02 | VBLKCL | WG21847-1 | WG21847-1A52 | 12/13/02 | 1221 |
| 03 | VCLLCS | WG21847-4 | WG21847-4A52 | 12/13/02 | 1254 |
| 04 | ER-SS-120402 | S2812-2 | S2812-2RA52 | 12/13/02 | 1555 |
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Instrument ID: F50052

Calibration Date: 12/13/02

Time: 1127

Lab File ID: CT021213A52

Init. Calib. Date(s): 12/11/02

12/11/02

Init. Calib. Times: 1105

1446

GC Column: EQUITY624 ID: 0.53 (mm)

| COMPOUND | RRF or AMOUNT | RRF50 or AMOUNT | CCAL RRF50 | MIN RRF | %D or %DRIFT | MAX %D or %DRIFT | CURV TYPE |
|------------------------------|------------------|-----------------------|---------------|------------|-----------------|---------------------|--------------|
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| Dichlorodifluoromethane | 0.6640000 | 0.5298629 | 0.5298629 | 0.001 | -20.20 | 90.00 | AVRG |
| Chloromethane | 0.3850000 | 0.3334403 | 0.3334403 | 0.1 | -13.39 | 90.00 | AVRG |
| Vinyl Chloride | 0.3870000 | 0.3496183 | 0.3496183 | 0.001 | -9.66 | 20.00 | AVRG |
| Bromomethane | 0.3900000 | 0.3487407 | 0.3487407 | 0.001 | -10.58 | 90.00 | AVRG |
| Chloroethane | 0.2260000 | 0.2111678 | 0.2111678 | 0.001 | -6.56 | 90.00 | AVRG |
| Trichlorofluoromethane | 0.6910000 | 0.5815265 | 0.5815265 | 0.001 | -15.84 | 90.00 | AVRG |
| 1,1-Dichloroethene | 0.3360000 | 0.3109454 | 0.3109454 | 0.001 | -7.46 | 20.00 | AVRG |
| Carbon disulfide | 1.1700000 | 1.0468510 | 1.0468510 | 0.001 | -10.52 | 90.00 | AVRG |
| 1,1,2-trichloro-1,2,2-triflu | 212.44969 | 250.00000 | 0.8385640 | 0.001 | -15.02 | 90.00 | 2RDR |
| Acetone | 565.92310 | 625.00000 | 0.0396279 | 0.001 | -9.45 | 90.00 | 2RDR |
| Methylene Chloride | 0.3760000 | 0.3258964 | 0.3258964 | 0.001 | -13.32 | 90.00 | AVRG |
| trans-1,2-Dichloroethene | 0.3820000 | 0.3488106 | 0.3488106 | 0.001 | -8.69 | 90.00 | AVRG |
| Methyl-tert-butyl ether | 0.5440000 | 0.5327182 | 0.5327182 | 0.001 | -2.07 | 90.00 | AVRG |
| 1,1-Dichloroethane | 0.7880000 | 0.7062650 | 0.7062650 | 0.1 | -10.37 | 90.00 | AVRG |
| cis-1,2-Dichloroethene | 0.3960000 | 0.3793047 | 0.3793047 | 0.001 | -4.22 | 90.00 | AVRG |
| 2-butanone | 641.93547 | 625.00000 | 0.0888943 | 0.001 | 2.71 | 90.00 | 2RDR |
| Chloroform | 0.7550000 | 0.6975745 | 0.6975745 | 0.001 | -7.61 | 20.00 | AVRG |
| 1,1,1-Trichloroethane | 0.6440000 | 0.5909271 | 0.5909271 | 0.001 | -8.24 | 90.00 | AVRG |
| Carbon Tetrachloride | 0.6430000 | 0.5984927 | 0.5984927 | 0.001 | -6.92 | 90.00 | AVRG |
| Benzene | 1.0390000 | 0.9520520 | 0.9520520 | 0.001 | -8.37 | 90.00 | AVRG |
| 1,2-Dichloroethane | 0.3810000 | 0.3592240 | 0.3592240 | 0.001 | -5.72 | 90.00 | AVRG |
| Trichloroethene | 0.3980000 | 0.3666972 | 0.3666972 | 0.001 | -7.86 | 90.00 | AVRG |
| 1,2-Dichloropropane | 0.5180000 | 0.4804024 | 0.4804024 | 0.001 | -7.26 | 20.00 | AVRG |
| Bromodichloromethane | 0.7400000 | 0.6990961 | 0.6990961 | 0.001 | -5.53 | 90.00 | AVRG |
| cis-1,3-Dichloropropene | 0.5790000 | 0.5547600 | 0.5547600 | 0.001 | -4.19 | 90.00 | AVRG |
| 4-Methyl-2-pentanone | 0.3070000 | 0.2710317 | 0.2710317 | 0.001 | -11.72 | 90.00 | AVRG |
| Toluene | 0.8720000 | 0.7736566 | 0.7736566 | 0.001 | -11.28 | 20.00 | AVRG |
| trans-1,3-Dichloropropene | 0.5420000 | 0.5142027 | 0.5142027 | 0.001 | -5.13 | 90.00 | AVRG |
| 1,1,2-Trichloroethane | 0.4040000 | 0.3731697 | 0.3731697 | 0.001 | -7.63 | 90.00 | AVRG |
| Tetrachloroethene | 0.4570000 | 0.3977357 | 0.3977357 | 0.001 | -12.97 | 90.00 | AVRG |
| 2-hexanone | 0.2140000 | 0.1948606 | 0.1948606 | 0.001 | -8.94 | 90.00 | AVRG |
| Dibromochloromethane | 0.7160000 | 0.6497375 | 0.6497375 | 0.001 | -9.25 | 90.00 | AVRG |
| 1,2-Dibromoethane | 0.5420000 | 0.5003841 | 0.5003841 | 0.001 | -7.68 | 90.00 | AVRG |
| Chlorobenzene | 1.0790000 | 0.9617061 | 0.9617061 | 0.3 | -10.87 | 90.00 | AVRG |
| Ethylbenzene | 0.5430000 | 0.4772031 | 0.4772031 | 0.001 | -12.12 | 20.00 | AVRG |
| Styrene | 1.0090000 | 0.9132293 | 0.9132293 | 0.001 | -9.49 | 90.00 | AVRG |
| Bromoform | 0.4230000 | 0.3991900 | 0.3991900 | 0.1 | -5.63 | 90.00 | AVRG |
| Isopropyl Benzene | 1.7640000 | 1.5632124 | 1.5632124 | 0.001 | -11.38 | 90.00 | AVRG |
| 1,1,2,2-Tetrachloroethane | 1.4050000 | 1.3480569 | 1.3480569 | 0.3 | -4.05 | 90.00 | AVRG |
| 1,3-Dichlorobenzene | 1.6750000 | 1.4764424 | 1.4764424 | 0.001 | -11.85 | 90.00 | AVRG |
| 1,4-Dichlorobenzene | 1.8340000 | 1.6269243 | 1.6269243 | 0.001 | -11.29 | 90.00 | AVRG |
| 1,2-Dichlorobenzene | 1.4290000 | 1.2475445 | 1.2475445 | 0.001 | -12.70 | 90.00 | AVRG |

COMPUCHEM

A division of Liberty Analytical Corporation
501 MADISON AVE.
CARY, NC 27513
(919) 379-4100

SDG NARRATIVE

SDG #S2812
PROTOCOL : SW-846
METHOD : 8270C

SAMPLE IDENTIFICATIONS: ER-SS-120402 ER-SS-121002

The two (2) water samples listed above were received intact, properly refrigerated, with proper documentation, in sealed shipping containers, on December 6 and 11, 2002. Because of problems with electric power and system down-time due to an ice storm, sample ER-SS-120402 was logged into the Laboratory Information Management System (LIMS) on December 9, 2002. The receipt date that appears on the data for this sample is 12/09/02. The samples were scheduled for the requested analyses of the semivolatile fractions. SW-846, 3rd Edition, Update 3, Separatory Funnel Extraction (Method 3510C) and Method 8270C were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client.

All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices are included in the sample data sections.

SEMIVOLATILE

Extraction and analysis holding time requirements were met for all of these samples. No semivolatile target analytes were identified above the Quantitation Limits (QL) in the samples.

Five Tentatively Identified Compounds (TICs) were detected in sample ER-SS-121002. These TICs were assessed as unknowns.

Manual quantitations were performed on one or more of the process files associated with the samples in this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

QC SUMMARY

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated to this SDG. Tailing factor criteria were met for pentachlorophenol and benzidine. The breakdown criterion was met for DDT. These three compounds have been added to the DFTPP solution and analyzed together. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The surrogates met recovery criteria in the analyses of these samples. The internal standards met response and retention time criteria in the analyses of these samples.

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: S2812

Lab File ID: DF021210B64

DFTPP Injection Date: 12/10/02

Instrument ID: 5972HP64

DFTPP Injection Time: 2149

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 80.0% of mass 198 | 44.2 |
| 68 | Less than 2.0% of mass 69 | 0.1 (0.2)1 |
| 69 | Mass 69 relative abundance | 59.6 |
| 70 | Less than 2.0% of mass 69 | 0.3 (0.4)1 |
| 127 | 25.0 - 75.0% of mass 198 | 41.1 |
| 197 | Less than 1.0% of mass 198 | 0.2 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.3 |
| 275 | 10.0 - 30.0% of mass 198 | 20.9 |
| 365 | Greater than 0.75% of mass 198 | 2.91 |
| 441 | Present, but less than mass 443 | 11.9 |
| 442 | 40.0 - 110.0% of mass 198 | 84.5 |
| 443 | 15.0 - 24.0% of mass 442 | 15.4 (18.3)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD080 | SSTD080 | HH021210B64 | 12/10/02 | 2245 |
| 02 | SBLKBD | WG21789-1 | WG21789-1B64 | 12/10/02 | 2320 |
| 03 | SBDLCS | WG21789-2 | WG21789-2B64 | 12/10/02 | 2355 |
| 04 | ER-SS-120402 | S2812-2 | S2812-2B64 | 12/11/02 | 0547 |
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Instrument ID: 5972HP64

Calibration Date: 12/10/02

Time: 2245

Lab File ID: HH021210B64

Init. Calib. Date(s): 11/25/02

11/25/02

Init. Calib. Times: 2041

2337

GC Column: RTX-5MS ID: 0.32 (mm)

| COMPOUND | RRF OR AMOUNT | RRF80.000 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|----------------------------|------------------|---------------------------|------------|-----------------|---------------------|--------------|
| N-Nitrosodiphenylamine | 0.5380000 | 0.4894140 | 0.01 | -9.03 | 20.00 | AVRG |
| 4-Bromophenyl-phenylether | 0.2810000 | 0.3021985 | 0.01 | 7.54 | 50.00 | AVRG |
| Hexachlorobenzene | 0.3340000 | 0.3466839 | 0.01 | 3.80 | 50.00 | AVRG |
| Atrazine | 0.1360000 | 0.0439843 | 0.01 | -67.66 | 50.00 | AVRG |
| Pentachlorophenol | 0.1940000 | 0.1893741 | 0.05 | -2.38 | 20.00 | AVRG |
| Phenanthrene | 1.1760000 | 1.1620256 | 0.01 | -1.19 | 50.00 | AVRG |
| Anthracene | 1.1690000 | 1.2236479 | 0.01 | 4.67 | 50.00 | AVRG |
| Carbazole | 1.0480000 | 1.0283960 | 0.01 | -1.87 | 50.00 | AVRG |
| Di-n-butylphthalate | 1.4730000 | 1.7530456 | 0.01 | 19.01 | 50.00 | AVRG |
| Fluoranthene | 1.3470000 | 1.4565602 | 0.01 | 8.13 | 20.00 | AVRG |
| Pyrene | 1.3850000 | 1.4257478 | 0.01 | 2.94 | 50.00 | AVRG |
| Butylbenzylphthalate | 0.6860000 | 0.7934586 | 0.01 | 15.66 | 50.00 | AVRG |
| 3,3'-Dichlorobenzidine | 0.4470000 | 0.4549664 | 0.01 | 1.78 | 50.00 | AVRG |
| is(2-ethylhexyl) Phthalate | 0.8820000 | 0.9987223 | 0.01 | 13.23 | 50.00 | AVRG |
| Benzo(a)anthracene | 1.2920000 | 1.3448715 | 0.01 | 4.09 | 50.00 | AVRG |
| Chrysene | 1.1240000 | 1.1734410 | 0.01 | 4.40 | 50.00 | AVRG |
| Di-n-octylphthalate | 2.1280000 | 2.4580663 | 0.01 | 15.51 | 20.00 | AVRG |
| Benzo(b)fluoranthene | 1.7930000 | 2.1035716 | 0.01 | 17.32 | 50.00 | AVRG |
| Benzo(k)fluoranthene | 1.7300000 | 1.5053318 | 0.01 | -12.99 | 50.00 | AVRG |
| Benzo(a)pyrene | 1.5360000 | 1.5537237 | 0.01 | 1.15 | 20.00 | AVRG |
| Indeno(1,2,3-cd)pyrene | 1.4840000 | 1.7577786 | 0.01 | 18.45 | 50.00 | AVRG |
| Dibenzo(a,h)anthracene | 1.4070000 | 1.5971277 | 0.01 | 13.51 | 50.00 | AVRG |
| Benzo(g,h,i)perylene | 1.4260000 | 1.6117436 | 0.01 | 13.02 | 50.00 | AVRG |
| 2-Fluorophenol | 1.5830000 | 1.5078525 | 0.01 | -4.75 | 50.00 | AVRG |
| Phenol-d5 | 1.8140000 | 1.9594082 | 0.01 | 8.02 | 50.00 | AVRG |
| Nitrobenzene-d5 | 0.5440000 | 0.5017527 | 0.01 | -7.77 | 50.00 | AVRG |
| 2-Fluorobiphenyl | 1.3700000 | 1.3772466 | 0.01 | 0.53 | 50.00 | AVRG |
| 2,4,6-Tribromophenol | 0.3780000 | 0.4168169 | 0.01 | 10.27 | 50.00 | AVRG |
| Terphenyl-d14 | 1.0500000 | 1.0567551 | 0.01 | 0.64 | 50.00 | AVRG |

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Lab File ID: DF021215A64

DFTPP Injection Date: 12/15/02

Instrument ID: 5972HP64

DFTPP Injection Time: 1059

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 80.0% of mass 198 | 45.2 |
| 68 | Less than 2.0% of mass 69 | 0.1 (0.2)1 |
| 69 | Mass 69 relative abundance | 58.7 |
| 70 | Less than 2.0% of mass 69 | 0.3 (0.5)1 |
| 127 | 25.0 - 75.0% of mass 198 | 42.2 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.5 |
| 275 | 10.0 - 30.0% of mass 198 | 21.4 |
| 365 | Greater than 0.75% of mass 198 | 2.92 |
| 441 | Present, but less than mass 443 | 13.0 |
| 442 | 40.0 - 110.0% of mass 198 | 87.6 |
| 443 | 15.0 - 24.0% of mass 442 | 16.8 (19.2)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD080 | SSTD080 | HG021215A64 | 12/15/02 | 1121 |
| 02 | SBLKCN | WG21890-1 | WG21890-1A64 T | 12/15/02 | 1235 |
| 03 | SCNLCS | WG21890-2 | WG21890-2A64 T | 12/15/02 | 1310 |
| 04 | ER-SS-121002 | S2812-3 | S2812-3A64 | 12/15/02 | 1531 |
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: S2812

Instrument ID: 5972HP64

Calibration Date: 12/15/02

Time: 1121

Lab File ID: HG021215A64

Init. Calib. Date(s): 11/25/02

11/25/02

Init. Calib. Times: 2041

2337

GC Column: RTX-5MS ID: 0.32 (mm)

| COMPOUND | RRF OR AMOUNT | RRF80.000 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|-----------------------------|------------------|---------------------------|------------|-----------------|---------------------|--------------|
| N-Nitrosodiphenylamine | 0.5380000 | 0.5288945 | 0.01 | -1.69 | 20.00 | AVRG |
| 4-Bromophenyl-phenylether | 0.2810000 | 0.2691084 | 0.01 | -4.23 | 50.00 | AVRG |
| Hexachlorobenzene | 0.3340000 | 0.3172529 | 0.01 | -5.01 | 50.00 | AVRG |
| Atrazine | 0.1360000 | 0.0401443 | 0.01 | -70.48 | 50.00 | AVRG |
| Pentachlorophenol | 0.1940000 | 0.1734401 | 0.05 | -10.60 | 20.00 | AVRG |
| Phenanthrene | 1.1760000 | 1.1199202 | 0.01 | -4.77 | 50.00 | AVRG |
| Anthracene | 1.1690000 | 1.1147309 | 0.01 | -4.64 | 50.00 | AVRG |
| Carbazole | 1.0480000 | 1.0769835 | 0.01 | 2.76 | 50.00 | AVRG |
| Di-n-butylphthalate | 1.4730000 | 1.6692945 | 0.01 | 13.33 | 50.00 | AVRG |
| Fluoranthene | 1.3470000 | 1.3767164 | 0.01 | 2.21 | 20.00 | AVRG |
| Pyrene | 1.3850000 | 1.3321146 | 0.01 | -3.82 | 50.00 | AVRG |
| Butylbenzylphthalate | 0.6860000 | 0.7588353 | 0.01 | 10.62 | 50.00 | AVRG |
| 3,3'-Dichlorobenzidine | 0.4470000 | 0.4378148 | 0.01 | -2.05 | 50.00 | AVRG |
| Bis(2-ethylhexyl) Phthalate | 0.8820000 | 0.9705072 | 0.01 | 10.03 | 50.00 | AVRG |
| Benzo(a)anthracene | 1.2920000 | 1.3056392 | 0.01 | 1.06 | 50.00 | AVRG |
| Chrysene | 1.1240000 | 1.1573109 | 0.01 | 2.96 | 50.00 | AVRG |
| Di-n-octylphthalate | 2.1280000 | 2.3865239 | 0.01 | 12.15 | 20.00 | AVRG |
| Benzo(b)fluoranthene | 1.7930000 | 2.0231746 | 0.01 | 12.84 | 50.00 | AVRG |
| Benzo(k)fluoranthene | 1.7300000 | 1.4718247 | 0.01 | -14.92 | 50.00 | AVRG |
| Benzo(a)pyrene | 1.5360000 | 1.4319274 | 0.01 | -6.78 | 20.00 | AVRG |
| Indeno(1,2,3-cd)pyrene | 1.4840000 | 1.4707371 | 0.01 | -0.89 | 50.00 | AVRG |
| Dibenzo(a,h)anthracene | 1.4070000 | 1.3916992 | 0.01 | -1.09 | 50.00 | AVRG |
| Benzo(g,h,i)perylene | 1.4260000 | 1.3284543 | 0.01 | -6.84 | 50.00 | AVRG |
| 2-Fluorophenol | 1.5830000 | 1.4499643 | 0.01 | -8.40 | 50.00 | AVRG |
| Phenol-d5 | 1.8140000 | 1.8170730 | 0.01 | 0.17 | 50.00 | AVRG |
| Nitrobenzene-d5 | 0.5440000 | 0.5773216 | 0.01 | 6.12 | 50.00 | AVRG |
| 2-Fluorobiphenyl | 1.3700000 | 1.7547482 | 0.01 | 28.08 | 50.00 | AVRG |
| 2,4,6-Tribromophenol | 0.3780000 | 0.3907479 | 0.01 | 3.37 | 50.00 | AVRG |
| Terphenyl-d14 | 1.0500000 | 1.0249945 | 0.01 | -2.38 | 50.00 | AVRG |

CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG S2812 PROTOCOL: SW-846

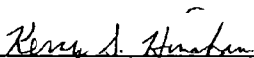
SAMPLE IDENTIFICATIONS: ER-SS-120402, ER-SS0121002

The two water samples listed above were scheduled for the requested analysis of the Pesticide/PCB fraction. SW-846, 3rd Edition, Update 3, Method 8081A and 8082 were used to analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG S2812 are included in the sample data sections.

Analysis holding time requirements were met for the samples. There were no target compounds identified above the reporting limit in the samples. Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. The associated method blanks and Laboratory Control Samples (LCS) met all quality control criteria with the exception of 4,4'-DDT in PLCSCK, which had a recovery above criteria. All of the surrogates met recovery and retention time criteria in the analyses of these samples.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Kerry S. Hinshaw
Gas Chromatography Manager
December 21, 2002

Page 1 of 1

Cooler Rec'd By: R. J. Bales
Sample Login By: 2200
Temperature: 26.3.3.3.7 °C
Cyanide Samples checked for sulfide & chlorine? Y / NA
Phenol Samples checked for chlorine? Y / NA
Received in Good Condition? Y / N
If no, explain:

Sample Login By: W. J. Sullivan

Temperature: 26.3.3.3.7 °C

Cyanide Samples checked for sulfide & chlorine? Y / (NA)

Phenol Samples checked for chlorine? Y / (NA)

Received in Good Condition? (Y) / N

If no, explain:

| Parameters | | | | | | | | | | | | | | | | | | | | | |
|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|
| VOA | | SVOC | | Pest/PCB | | Metals | | TSS | | TDS | | | | | | | | | | | |
| No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH |
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Page 1 of 1

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|--------------------------------|---------------------------------------|---------------------|---|
| Client: <u>Malcolm P. Lane</u> | Rec'd Date: <u>8-03</u> | PPS/RFA <u>1263</u> | Lab Instructions <u>TAL Perselec</u> <u>7825</u> <u>2 6813</u> <u>128</u> |
| Project: <u>80005</u> | Courier: <u>UPS</u> | | |
| Quote: <u>Q 2812</u> | Airbill No. <u>12 230 098 01 4118</u> | | |
| Login No. <u>U 2812</u> | <u>12 230 098 01 4119</u> | | |
| Subcontract? <u>Y 1</u> | <u>12 230 098 01 4192</u> | | |
| TAT Verbal <u>Report 14</u> | | | |

Cooler Rec'd By: B. J. Bailey
Sample Login By: M. M. M. M. M.
Temperature: 2.6, 3.3, 3.7 °C
Cyanide Samples checked for sulfide & chlorine? Y / NA
Phenol Samples checked for chlorine? Y / NA
Received in Good Condition? Y / N
If no, explain:

[illegible]



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501 Madison Avenue
Cary, NC 27513
1-800-833-5087

CHAIN-OF-CUSTODY RECORD

No. 060984

| | | | | | |
|--|--|---|--|--|--|
| Project Name : <u>80 DRS</u> | | Client Address : <u>MALCOLM PIRNIE</u> | | Point-of-Contact : <u>TENNY PACE</u> | |
| Carrier : <u>NEWPORT NEWS, VA</u> | | Telephone No. : <u>757 873-8300</u> | | Sampling complete? Y or <u>N</u> (see Note 1) | |
| Airbill No. : <u>23606</u> | | Sampler Signature : <u>[Signature]</u> | | Project-specific (PS) or Batch (B) QC ? | |
| Sampler Name : <u>Gerlyn T. Perlas</u> | | Box #3 F. Filtered U. Unfiltered | | Box #4 H. High M. Medium L. Low | |
| Box #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinse 5. Soil / Sediment / Sludge | | Box #2 A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved | | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other | |

| Sample ID (9 characters maximum) | | | | | | | | | | Date: Year, 2003 | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide / PCB | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | ORG / TPH | DISSOLVED METALS | TSS | TDS | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|---|---|---|---|---|---|----|---|--|------------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------------|-----|-----------|------------------|---------|-----------|-----------|------------------|-----|-----|---|
| Q | W | - | M | W | 0 | 8 | | | | 1/7 | 10:20 | 2 | A,B,F | F/V | L | S | 11 | | 3 | 2 | 2 | | | 1 | | | | | | | |
| Q | W | - | M | W | 0 | 1 | | | | 1/7 | 11:20 | 2 | HNO ₃ A | HNO ₃ U | L | S | 3 | | 3 | | | | | | | 1 | 1 | 1 | | | |
| Q | W | - | M | W | 0 | 2 | | | | 1/7 | 13:20 | 2 | HNO ₃ A | HNO ₃ U | L | S | 3 | | 3 | | | | | | | | | | | | |
| Q | W | - | M | W | 0 | 2 | -D | | | 1/7 | 13:30 | 2 | A | HNO ₃ U | L | S | 3 | | 3 | | | | | | | | | | | | |
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Client's Special Instructions:

Temperature 3.7°C

| | | | |
|---|---------------------|----------------------------|-------|
| Lab: Received in Good Condition? <u>Y</u> or <u>N</u> | | Describe Problems, if any: | |
| #1 Relinquished By: (Sig) <u>[Signature]</u> | Date: <u>1/7/03</u> | #2 Relinquished By: (Sig) | Date: |
| Company Name: <u>MALCOLM PIRNIE</u> | Time: <u>1600</u> | Company Name: | Time: |
| #1 Received By: (Sig) <u>[Signature]</u> | Date: <u>1-8-03</u> | #2 Received By: (Sig) | Date: |
| Company Name: <u>CompuChem</u> | Time: <u>9:30</u> | Company Name: | Time: |
| #3 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |
| #3 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.



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501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 067061

| | | |
|---------------------------------------|--|---|
| Project Name : BU DRS | Client Address : Malcolm Pirnie Inc. 701 Town Centre Dr. #600 | Point-of-Contact : TONY PAGE |
| Carrier : | NEWPORT NEWS, VA | Telephone No. : 757 873-8700 |
| Airbill No. : | 23606 | Sampling complete? Y or (N) (see Note 1) |
| Sampler Name : Gedyn T. Perlas | Sampler Signature : <i>[Signature]</i> | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | | | | | | |
|--------|--|---|--------|--|--|--------|------------------------------|--------|--------------------------------|--------|--|---------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinseate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other | BOX #2 | A. HCl + Ice B. HNO3 + Ice C. NaOH + Ice D. H2SO4 + Ice E. Unpreserved | F. Ice Only G. Other H. NaHSO4 + Ice I. ZnAc+NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | Box #4 | H. High M. Medium L. Low | Box #6 | C. CLP 350 S. SW-846 W. CWA 600-series O. Other | T. TCLP |
|--------|--|---|--------|--|--|--------|------------------------------|--------|--------------------------------|--------|--|---------|

| Sample ID (9 characters maximum) | | | | | | | | | | Date: Year | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metal / Mercury | Cyanide | TOC / TOX | Q&G / TPH | MISS. METALS | TSS | TDS | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|---|---|---|---|---|---|--|--|--|------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|-----------------|---------|-----------|-----------|--------------|-----|-----|---|
| G | W | - | M | W | 0 | 1 | | | | 1/7 | 11:20 | 2 | B, F | F/4 | | 3 | 8 | | | 2 | 2 | | | 1 | | | | 1 | 1 | 1 | |
| G | W | - | M | W | 0 | 2 | | | | 1/7 | 13:20 | 2 | B, F | F/4 | | 3 | 4 | | | | | | | 1 | | | | 1 | 1 | 1 | |
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Clients Special Instructions:

Temperature **3.3 °C**

Lab: Received in Good Condition? **(Y)** or N Describe Problems, if any:

| | | | | | |
|--|---------------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <i>[Signature]</i> | Date: 1/7/03 | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: Malcolm Pirnie | Time: 1600 | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <i>[Signature]</i> | Date: 1-8-03 | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: CompuChem | Time: 9:30 | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.



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Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 060983

| | | |
|---------------------------------------|--|--|
| Project Name: 80 DRS | Client Address: MALCOLM PIRNIE 701 Town Centre Drive, 600 | Point-of-Contact: TOM PAGE |
| Carrier: | NEWPORT NEWS, VA | Telephone No. 757 873-8700 |
| Airbill No.: | 23606 | Sampling complete? Y or <input checked="" type="checkbox"/> N (see Note 1) |
| Sampler Name: Gerlyn T. Perlus | Sampler Signature: <i>[Signature]</i> | Project-specific (PS) or Batch (B) QC? |

| | | | | |
|--|--|---|---|---|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinseate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____ | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved F. Ice Only G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 F. Filtered U. Unfiltered | Box #4 H. High M. Medium L. Low | Box #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP |
|--|--|---|---|---|

| Sample ID (9 characters maximum) | | | | | | | | | | Date/Year: 2003 | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metal / Mercury | Cyanide | TOC / TOX | O&G / TPH | BIS METALS | TSS | TDS | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|---|---|---|---|---|---|---|---|--|------------------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|-----------------|---------|-----------|-----------|------------|-----|-----|---|
| G | W | - | M | W | 0 | 2 | - | D | | 1/7 | 13:30 | 2 | B, F | F/U | | S | 8 | | | 2 | 2 | | | 1 | | | | | | | |
| G | W | - | M | W | 0 | 2 | | | | 1/7 | 13:20 | 2 | F | U | | S | 4 | | | 2 | 2 | | | | | | | | | | |
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|--|---------------------|---------------------------|-------|
| Clients Special Instructions: | | Temperature: 26 °C | |
| Lab: Received in Good Condition? <input checked="" type="checkbox"/> Y or N Describe Problems, if any: | | | |
| #1 Relinquished By: (Sig) <i>[Signature]</i> | Date: 1/7/03 | #2 Relinquished By: (Sig) | Date: |
| Company Name: MALCOLM PIRNIE, INC. | Time: 1600 | Company Name: | Time: |
| #1 Received By: (Sig) <i>[Signature]</i> | Date: 1-8-03 | #2 Received By: (Sig) | Date: |
| Company Name: CompuChem | Time: 9:30 | Company Name: | Time: |
| #3 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |
| #3 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
 Note (2): Samples stored 60 days after date report mailed at no extra charge.
 Note (3): All lab copies of data destroyed after three years.

Page 1 of 1

Cooler Rec'd By: H. G. Dady
Sample Login By: M. J. Demond
Temperature: 2.1, 2.4, 3.2, 3.7 °C
Cyanide Samples checked for sulfide & chlorine? Y / NA
Phenol Samples checked for chlorine? Y / NA
Received in Good Condition? Y / N
If no, explain:

[illegible]

rl' 8/01:dce

Page 1 of 1

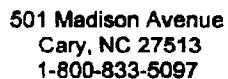
| | | | |
|------------------------------------|--|---------------------|------------------|
| Client: <u>Malcolm Pirnie Inc.</u> | Rec'd Date: <u>1-9-03</u> | PPS/RFA <u>1263</u> | |
| Project: <u>80DPS</u> | Courier: <u>UPS</u> | | Lab Instructions |
| Quote: <u>G 2812</u> | Airbill No. <u>17 230 098 22 1001 9036</u> | <u>USE FOR AC</u> | 135 |
| Login No. <u>U 2812</u> | <u>17 230 098 22 1002 0435</u> | | |
| Subcontract? <u>Y / (N)</u> | <u>16 230 098 22 1002 0426</u> | | |
| TAT Verbal <u>Report 14</u> | <u>17 230 098 22 1001 9072</u> | | |

Cooler Rec'd By: B. J. Bailey
Sample Login By: Pat Hammonds
Temperature: 2.2, 3.2, 3.4
Cyanide Samples checked for sulfide & chlorine? Y (NA)
Phenol Samples checked for chlorine? Y (NA)
Received in Good Condition? (Y) / N
If no, explain:

[illegible]

Container Type Abbreviations: 40ml.(40ml. vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) . 250P(250mL Plastic) OTHER

rl - 6/28/01:dcc



No. 068033

| | | |
|------------------------------|------------------------------------|---|
| Project Name : 80 DRS | Client Address : Malcolm Pirnie | Point-of-Contact : Tony Pace |
| Carrier : | 701 Town Center Drive, #600 | Telephone No. : 757-873-8700 |
| Airbill No. : | Newport News, VA 23606 | Sampling complete? Y or N (see Note 1) |
| Sampler Name : Gerlyn Perlas | Sampler Signature : | Project-specific (PS) or Batch (B) QC ? |

| | | | | | | | | | |
|---|--|---|--|--|--|---|--|---|--|
| BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinseate 5. Soil / Sediment / Sludge | | BOX #2 6. Trip Blank 7. Oil 8. Waste 9. Other _____ A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | | BOX #3 F. Filtered U. Unfiltered G. Other _____ H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | | Box #4 H. High M. Medium L. Low | | Box #5 C. CLP 3/80 S. SW-846 W. CWA 600-series O. Other _____ T. TCLP | |
|---|--|---|--|--|--|---|--|---|--|

[illegible]**Clients Special Instructions:**

| | | |
|-------------|---|----|
| Temperature | 2 | °C |
|-------------|---|----|

Lab: Received In Good Condition? Y or N Describe Problems, if any:

| | | | | | |
|--|--------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <i>[Signature]</i> | Date: 1/8/03 | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <i>Malcolm Smith</i> | Time: 1600 | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <i>[Signature]</i> | Date: 1-9-03 | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: <i>Compu Chem</i> | Time: 9:30 | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

No. 10): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

~~Classified~~ ~~SECRET~~

Project Name: 80 DRS

Project #: 0285-917

Site/Location ID: _____ State: VA

~~Report To:~~ SAMPLING COMPLETE (NO

Invoice To: PROJECT - Specific BC PS

Quote #: **Box**

[illegible]

TestAmerica

Nashville Division Phone: 615-726-0177
2960 Foster Creighton Fax: 615-726-3404
Nashville, TN 37204

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

Client Name: MALCOLM PIRNIE Client #: 3205
Address: 11422 ROCK LANDING DRIVE 701 Town Centre Dr. #60
City/State/Zip Code: NEWPORT NEWS VA 23606-4206
Project Manager: CHRIS PIRNIE TUNY PACE
Telephone Number: 7578734434 - 873-8700 Fax: 817578738723
Sampler Name: (Print Name) Gerlyn Perkins
Sampler Signature: _____

Project Name: 80 DR3
Project #: 0285-917
Site/Location ID: _____ State: VA
Report To: Sampling Complete NO
Invoice To: Project Specific QC PS
Quote #: _____ PO#: _____

[illegible]

Compu Chem, Cary, NC

TestAmerica
INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

**Nashville Division
2060 Foster Creighton
Nashville, TN 37204**

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

Client Name MALCOLM PIRNIE

Client #: 3203

Address: 14022 ROCKY MOUNTAIN RD

City/State/Zip Code: NEWPORT NEWS VA 23606-4206

Project Manager: ~~CHRIS PANTA~~ TONY PACE

Telephone Number: 7578234434 873-8700 Fax: 8.17578738723

Sampler Name: (Print Name) Gerlin Perles

Sampler Signature:

Project Name: 8 DRS

Project #: 0285-917

Site/Location ID: _____ State: WA

Report To:

Invoice To: SAMPLING COMPLETE NO

Quets #: _____ POW _____

| Standard Rush (surcharges may apply) | | Date Needed: | Fax Results: Y N | SAMPLE ID | Date Sampled | Time Sampled | G = Grab, C = Composite | Field Filtered | Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other | Preservation & # of Containers | Analyze For: | QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: PS project specific | |
|---|----------------|--------------|---------------------------|--------------|--------------|--------------|-------------------------|----------------|---|--------------------------------|--------------|---|-----------------------|
| | | | | GW-MW10 | 01/08/03 | 10:00 | G | | GW | 2 | | | |
| | | | | GW-MW11 | 01/08/03 | 11:00 | G | | GW | | | | * Field Filtered |
| | | | | | | | | | | | | | Sent for GW-MW11 |
| | | | | | | | | | | | | | 1 PL for TAL netal |
| | | | | | | | | | | | | | 1-PL for Diss TAL mel |
| | | | | | | | | | | | | | Ckb 1-903 |
| Special Instructions: | | | | | | | | | | | | Laboratory Comments: In Lab Temp: Rec Lab Temp: 24°C Custody Seals: Y N N/A Bottles Supplied by TestAmerica: Y N Method of Shipment: | |
| Relinquished By: ZH | Date: 01/08/03 | Time: 18:00 | Received By: Bruce Bailey | Date: 1/9/03 | Time: 9:30 | | | | | | | | |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | | | | | | | | |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | | | | | | | | |

Page 1 of 1

143

| Parameters | | | | | | | | | | | | | |
|------------|----|---------------|----|--------------|----|------------|----|------------|----|------------|----|------------|----|
| SVOC | | Pesticide/PCB | | Total Metals | | TSS | | TDS | | VOC | | | |
| No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH |
| 2-AL | | 2-AL | | 1-PL | | 1-PL | | 1-PL | | 3-40ml | | | |
| ↓ | | ↓ | | ↓ | | ↓ | | ↓ | | ↓ | | | |
| 2-AL | | 2-AL | | 1-PL | | — | | — | | 1-40ml | | | |
| — | | — | | — | | — | | — | | | | | |

Page 1 of 1

Cooler Rec'd By: J.S. Baloy
Sample Login By: J.S. Baloy
Temperature: 2.2 2.4 °C
Cyanide Samples checked for sulfide & chlorine? Y / (NA)
Phenol Samples checked for chlorine? Y / (NA)
Received in Good Condition? (Y) / N
If no, explain:

Container Type Abbreviations: 40ml (40ml vial) AL (Amber Liter) PL (Plastic Liter) 500P (500mL Plastic) 250P (250mL Plastic) OTHER

COMPU CHEM, CARY, NC

TestAmerica
INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

145

Client Name: **RALCOLM PIRNIE**

Client #: **3203**

Address: **701 Town Centre Dr. #600**

City/State/Zip Code: **NEWPORT NEWS VA 23606-4206**

Project Manager: **TUNY DACE**

Telephone Number: **7578734434 893-8740** Fax: **817578738723**

Sampler Name: (Print Name) **Gerlyn Perlas**

Sampler Signature:

Project Name: **80 DRS**

Project #: **0285-917**

Site/Location ID: _____ State: _____

Report To: _____

Invoice To: **SAMPLING COMPLETE? (NO)**

Quote #: _____ PO#: _____

| TAX <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply) | Date Needed: _____ | Fax Results: Y N | SAMPLE ID | Date Sampled | Time Sampled | G = Grab, C = Composite | Field Filtered | Matrix Sl - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other | Preservation & # of Containers | | | | | | | | | | Analyze For: | | | | | | | | | | QC Deliverables ____ None ____ Level 2 (Batch QC) ____ Level 3 ____ Level 4 Other: <u>PS</u> project-specific | REMARKS |
|---|--------------------|------------------|--------------|--------------|--------------|-------------------------|----------------|---|--------------------------------|-----|------|--------------------------------|----------|------|-----------------|-----|------|----------|--------------|--------------|-----|-----|---|--|--|--|--|--|--|----------------|
| | | | | | | | | | HNO ₃ | HCl | NaOH | H ₂ SO ₄ | Methanol | None | Other (Specify) | VOC | SVOC | pest/PCB | total metals | diss. metals | TSS | TDS | | | | | | | | |
| | | | GW-MW09 | 01/09 | 13:30 | G | | GW | 2 | | | | | 3 | | 3 | | | | ✓ | ✓ | ✓ | ✓ | | | | | | | field filtered |
| | | | GW-MW05 | 01/09 | 10:00 | | | GW | 2 | | | | | 5 | | 3 | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | | | | | |
| | | | GW-MW06 | 01/09 | 11:00 | | | GW | 2 | | | | | 5 | | 3 | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | | | | | |
| | | | ER-SS-010903 | 01/09 | 14:20 | | | GW | | | | | | 3 | | 3 | ✓ | | | | | | | | | | | | | |
| | | | TRIP BLANK-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Special Instructions:

1 trip blank included

LABORATORY COMMENTS:

Lab Temp:

Lab Temp: **22.0C**

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Method of Shipment:

大正

Comp Chem, CARY, NC.

TestAmerica
INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Fax: 615-726-3404

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

147

Client Name: MALCOLM PIRNIE

Client #: 3203

Address: ~~11111 RICE LANDING DRIVE~~ 351 Town Centre Drive #600

Project Name: 80 DRS

City/State/Zip Code: NEWPORT NEWS VA 23606-4206

Project #: 0285-917

Project Manager: CHRIS PIRNIE

Site/Location ID: State:

Telephone Number: 7578734434 873-8700 Fax: 812578738723

Report To: SAMPLING COMPLETE (NO)

Sampler Name: (Print Name) Gerlyn Perlas

Invoice To:

Sampler Signature:

Quote #: PO#:

| TAT Standard Rush (surcharges may apply) | Matrix | | | | Preservation & # of Containers | | | | | | | | Analyze For: | | | | | | | | | | QC Deliverables | |
|--|--------------|--------------|-------------------------|----------------|---|------------------|-----|------|--------------------------------|----------|------|-----------------|--------------|----------|------------|-------------|-----|-----|-----------|---------|--------------|--|-----------------|--|
| | Date Sampled | Time Sampled | G = Grab, C = Composite | Field Filtered | BL - Sludge DW - Drinking Water GW - Groundwater B - Soil/Bolt WW - Wastewater Specify Other | HNO ₃ | HCl | NaOH | H ₂ SO ₄ | Methanol | None | Other (Specify) | SVOC | pest/PCS | metal tot. | metal diss. | TDS | TSS | Other: PS | REMARKS | | | | |
| | 2003 | | | | | | | | | | | | | | | | | | | | | | | |
| Date Needed: _____ | | | | | | | | | | | | | | | | | | | | | | | | |
| Fax Results: Y N | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE ID | | | | | | | | | | | | | | | | | | | | | | | | |
| CR-SS-010903 | 01/09 | 14:20 | G | | GW | 2 | | | | | 4 | | 2 | 2 | 1 | 1 | | | | | field filter | | | |
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Special Instructions:

LABORATORY COMMENTS:

Init. Lab Temp:

Rev. Lab Temp: 2.4°C

Container Sealed: Y N NA
Bottles Supplied by TestAmerica: Y N

Method of Shipment:

| | | | | | |
|-------------------------------------|----------------|-------------|---------------------------------|---------------|---------------|
| Relinquished By: <i>[Signature]</i> | Date: 01/09/03 | Time: 16:00 | Received By: <i>[Signature]</i> | Date: 1/10/03 | Time: 9:30 AM |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |

Page 1 of 1

| | | | |
|-------------------------------|---------------------------------------|---------------------|--------------------------------|
| Client: <i>Helcom Pirnie</i> | Rec'd Date: <i>1-15-03</i> | PPS/RFA <i>1263</i> | Lab Instructions <i>152</i> |
| Project: <i>80 DRS</i> | Courier: <i>UPS</i> | | |
| Quote: <i>Q2812</i> | Airbill No. <i>12230 098221002234</i> | <i>TCLY TAL</i> | |
| Login No. <i>T2812, 42812</i> | | | |
| Subcontract? <i>Y / N</i> | | | |
| TAT Verbal <i>Report</i> | | | |

Cooler Rec'd By: *G. Schiller*
Sample Login By: *M. Ramonde*
Temperature: *3, 1* °C
Cyanide Samples checked for sulfide & chlorine? Y / *NA*
Phenol Samples checked for chlorine? Y / *NA*
Received in Good Condition? *(Y)* / N
If no, explain:

| | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------|-----|-----------|-------------------|---------------|---------------|-----|--------------|-----|--------------|-----|--------------|-----------|--------------|-----|--------------|-----------|------------|-----|------------|-----|
| Cooler Rec'd By: <u>G. Schiller</u> | | | | | | Parameters | | | | | | | | | | | | | | | |
| Sample Login By: <u>PT Hammonds</u> | | | | | | | | | | | | | | | | | | | | | |
| Temperature: <u>3, 1</u> °C | | | | | | | | | | | | | | | | | | | | | |
| Cyanide Samples checked for sulfide & chlorine? Y / <u>NA</u> | | | | | | | | | | | | | | | | | | | | | |
| Phenol Samples checked for chlorine? Y / <u>NA</u> | | | | | | | | | | | | | | | | | | | | | |
| Received in Good Condition? <u>(Y)</u> / N | | | | | | | | | | | | | | | | | | | | | |
| If no, explain: | | | | | | | | | | | | | | | | | | | | | |
| CompuChem ID | Client ID | Q C | Matrix | Date <u>20 03</u> | Military Time | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H |
| <u>12812-16</u> | <u>GW-MW φ3</u> | | <u>WA</u> | <u>1/14</u> | <u>0945</u> | <u>3.40ml</u> | | <u>1.1AL</u> | | <u>2.1AL</u> | | <u>1.1PL</u> | <u>22</u> | <u>1.1PL</u> | | <u>1.1PL</u> | | | | | |
| <u>12812-13</u> | <u>GW-MW φ3</u> | | <u>WA</u> | <u>1/14</u> | <u>0945</u> | <u>—</u> | | <u>—</u> | | <u>—</u> | | <u>—</u> | | <u>—</u> | | <u>1.1PL</u> | <u>22</u> | | | | |
| <div>1-15-03</div> | | | | | | | | | | | | | | | | | | | | | |
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Container Type Abbreviations: 40ml.(40ml. vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER

ril - 6/28/01:dce



COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068833

| | | |
|--|--|---|
| Project Name: <u>LARG 60 80DRS</u> | Client Address: <u>701 TOWN CENTER DR. STE 600</u> | Point-of-Contact: <u>TONY PAOL</u> |
| Carrier: <u>NEWPORT NEWS, VA 23606</u> | Telephone No.: <u>(757) 873-8700</u> | Sampling complete? <u>(Y)</u> or N (see Note 1) |
| Airbill No.: | Sampler Name: <u>Gerblyn POKLAS</u> | Project-specific (PS) or Batch (B) QC? |
| | Sampler Signature: | |

| | | | | | | | | | | | | |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other | BOX #2 | A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | Box #4 | H. High M. Medium L. Low | Box #5 | C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other | T. TCLP |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|

| Sample ID (9 characters maximum) | | | | | Date: Year: <u>2003</u> | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide / PCB | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | TL METALS | DRS METALS | TSS | TDS | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|---|---|----|----|-------------------------|------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------------|-----|-----------|------------------|---------|-----------|-----------|-----------|------------|-----|-----|--|
| G | W | - | MW | 03 | | 1/14 | 09:45 | 2 | A, B | F/U | S | 11 | | 3 | 2 | 2 | | | | | | | 1 | 1 | 1 | 1 | * Sample info written on bottles for VOC, TSS, TDS (out of labels) 1. AL (SVOC) broken upon receipt (1/14/03) |
| | | | | | | / | : | | | | | | | | | | | | | | | | | | | | |
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Clients Special Instructions:

Temperature 3.1 °C

Lab: Received in Good Condition? Y or N Describe Problems, if any:

| | | | | | |
|---|----------------------|---------------------------|-------|---------------------------|-------|
| #1 Relinquished By: (Sig) <u>Gerblyn POKLAS</u> | Date: <u>1/14/03</u> | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <u>Malcolm Pirnie</u> | Time: <u>1530</u> | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <u>E. Schiller</u> | Date: <u>1/15/03</u> | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: <u>CompuChem</u> | Time: <u>0930</u> | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.

No*): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

Lab Name: COMPUCHEM

Contract: 8260B

VBLKOO

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: WG22387-1A52T

Lab Sample ID: WG22387-1

Date Analyzed: 01/14/03

Time Analyzed: 1248

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: F50052

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|------------|------------------|----------------|------------------|
| 01 | VOOLCS | WG22387-4 | WG22387-4R2A | 1538 |
| 02 | GW-MW01 | T2812-1 | T2812-1RA52 | 1931 |
| 03 | GW-MW02 | T2812-2 | T2812-2RA52 | 2007 |
| 04 | GW-MW02-D | T2812-3 | T2812-3RA52 | 2043 |
| 05 | GW-MW08 | T2812-4 | T2812-4RA52 | 2118 |
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK00

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22387-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22387-1A52T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.4 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKOO

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22387-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22387-1A52T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 0.5 | J |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK00

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22387-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22387-1A52T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/14/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/28/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|--------------------------------|------------------|------------------|--------------|
| 1. | LABORATORY ARTIFACT | 16.23 | 46.35 | J |
| 2. | LABORATORY ARTIFACT | 17.42 | 13.10 | J |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBKNT

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: WG22361-1A52_TC4T

Lab Sample ID: WG22361-1

Date Analyzed: 01/15/03

Time Analyzed: 1029

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: F50052

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|--------------|------------------|----------------|------------------|
| 01 | VNTLCS | WG22361-4 | WG22361-4A52 | 1108 |
| 02 | TRIPBLANK 1- | T2812-5 | T2812-5R2A52 | 1209 |
| 03 | TRIPBLANK 1- | T2812-10 | T2812-10A52 | 1656 |
| 04 | TRIPBLANK 1- | T2812-15 | T2812-15A52 | 1731 |
| 05 | GW-MW11 | T2812-7 | T2812-7A52 | 1807 |
| 06 | GW-MW11MS | WG22361-6 | WG22361-6A52 | 1843 |
| 07 | GW-MW11MSD | WG22361-7 | WG22361-7A52 | 1919 |
| 08 | | | | |
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNT

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22361-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22361-1A52_TC4T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|------------|------------------------------|-----|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3 | 2-butanone | 13 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 0.4 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNT

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22361-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22361-1A52_TC4T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: | |
|-----------|-----------------------------|----------------------|---|
| | | (ug/L or ug/Kg) UG/L | Q |
| 108-90-7 | Chlorobenzene | 0.2 | J |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 98-82-8 | Isopropyl Benzene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.9 | J |
| 1330-20-7 | Xylene (total) | 5 | U |
| 79-20-9 | Methyl acetate | 5 | U |
| 110-82-7 | Cyclohexane | 5 | U |
| 108-87-2 | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKNT

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22361-1

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22361-1A52_T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/15/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

3/28/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 16.24 | 42.90 | J |
| 2. | LABORATORY ARTIFACT | 17.43 | 21.84 | J |
| 3. | | | | |
| 4. | | | | |
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKNW

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: WG22361-8A52

Lab Sample ID: WG22361-8

Date Analyzed: 01/16/03

Time Analyzed: 1122

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: F50052

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|--------------|------------------|----------------|------------------|
| 01 | VNWLC5 | WG22361-9 | WG22361-9A52 | 1157 |
| 02 | GW-MW10 | T2812-6 | T2812-6RA52 | 1232 |
| 03 | GW-MW07 | T2812-8 | T2812-8RA52 | 1303 |
| 04 | ER-SS-010803 | T2812-9 | T2812-9RA52 | 1334 |
| 05 | GW-MW09 | T2812-11 | T2812-11A52 | 1405 |
| 06 | GW-MW05 | T2812-12 | T2812-12A52 | 1436 |
| 07 | GW-MW06 | T2812-13 | T2812-13A52 | 1507 |
| 08 | ER-SS-010903 | T2812-14 | T2812-14A52 | 1538 |
| 09 | | | | |
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNW

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22361-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22361-8A52

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|------------|------------------------------|-----|---|
| 75-71-8 | Dichlorodifluoromethane | 5 | U |
| 74-87-3 | Chloromethane | 5 | U |
| 75-01-4 | Vinyl Chloride | 5 | U |
| 74-83-9 | Bromomethane | 5 | U |
| 75-00-3 | Chloroethane | 5 | U |
| 75-69-4 | Trichlorofluoromethane | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-15-0 | Carbon disulfide | 5 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 13 | U |
| 67-64-1 | Acetone | 5 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 13 | U |
| 78-93-3 | 2-butanone | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3 | Toluene | 0.4 | J |
| 10061-02-6 | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 591-78-6 | 2-hexanone | 13 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 106-93-4 | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKNW

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22361-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22361-8A52

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 1 | J |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKNW

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22361-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22361-8A52

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/16/03

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

2/2x63

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 16.23 | 38.82 | J |
| 2. | LABORATORY ARTIFACT | 17.42 | 14.74 | J |
| 3. | | | | |
| 4. | | | | |
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKRG

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: WG22480-2B59_TC4

Lab Sample ID: WG22480-2

Date Analyzed: 01/21/03

Time Analyzed: 2142

GC Column: ZB-624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|------------|------------------|----------------|------------------|
| 01 | VRGLCS | WG22480-5 | WG22480-5B59 | 2233 |
| 02 | GW-MW03 | T2812-16 | T2812-16B59 | 0220 |
| 03 | | | | |
| 04 | | | | |
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBKRG

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22480-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22480-2B59_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/21/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.9 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKRG

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22480-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22480-2B59_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/21/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKRG

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Matrix: (soil/water) WATER

Lab Sample ID: WG22480-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22480-2B59_T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/21/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

2/22/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.48 | 24.20 | J |
| 2. | LABORATORY ARTIFACT | 14.86 | 12.04 | J |
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FORM I VOA-TIC

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: BF030107B52

BFB Injection Date: 01/07/03

Instrument ID: F50052

BFB Injection Time: 1804

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 8.0 - 40.0% of mass 95 | 16.5 |
| 75 | 30.0 - 66.0% of mass 95 | 45.2 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.2 (0.2)1 |
| 174 | 50.0 - 120.0% of mass 95 | 71.4 |
| 175 | 4.0 - 9.0% of mass 174 | 4.8 (6.7)1 |
| 176 | 93.0 - 101.0% of mass 174 | 69.9 (97.8)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.3 (6.2)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CS030107B52 | 01/07/03 | 1821 |
| 02 | VSTD020 | VSTD020 | CT030107B52 | 01/07/03 | 1853 |
| 03 | VSTD010 | VSTD010 | CU030107B52 | 01/07/03 | 1925 |
| 04 | VSTD005 | VSTD005 | CV030107B52 | 01/07/03 | 1956 |
| 05 | VSTD100 | VSTD100 | CW030107B52 | 01/07/03 | 2027 |
| 06 | VSTD200 | VSTD200 | CX030107B52 | 01/07/03 | 2058 |
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age 1 of 1

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: BF030114A52

BFB Injection Date: 01/14/03

Instrument ID: F50052

BFB Injection Time: 0943

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 8.0 - 40.0% of mass 95 | 17.7 |
| 75 | 30.0 - 66.0% of mass 95 | 49.3 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | 50.0 - 120.0% of mass 95 | 58.1 |
| 175 | 4.0 - 9.0% of mass 174 | 4.2 (7.3)1 |
| 176 | 93.0 - 101.0% of mass 174 | 55.9 (96.2)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.6 (6.4)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CU030114A52 | 01/14/03 | 1148 |
| 02 | VBLKOO | WG22387-1 | WG22387-1A52T | 01/14/03 | 1248 |
| 03 | VOOLCS | WG22387-4 | WG22387-4R2A52 | 01/14/03 | 1538 |
| 04 | GW-MW01 | T2812-1 | T2812-1RA52 | 01/14/03 | 1931 |
| 05 | GW-MW02 | T2812-2 | T2812-2RA52 | 01/14/03 | 2007 |
| 06 | GW-MW02-D | T2812-3 | T2812-3RA52 | 01/14/03 | 2043 |
| 07 | GW-MW08 | T2812-4 | T2812-4RA52 | 01/14/03 | 2118 |
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: BF030115A52

BFB Injection Date: 01/15/03

Instrument ID: F50052

BFB Injection Time: 0745

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 8.0 - 40.0% of mass 95 | 15.1 |
| 75 | 30.0 - 66.0% of mass 95 | 44.8 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.0 |
| 173 | Less than 2.0% of mass 174 | 0.1 (0.2)1 |
| 174 | 50.0 - 120.0% of mass 95 | 55.8 |
| 175 | 4.0 - 9.0% of mass 174 | 3.9 (7.1)1 |
| 176 | 93.0 - 101.0% of mass 174 | 53.8 (96.5)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.5 (6.5)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CU030115A52 | 01/15/03 | 0938 |
| 02 | VBLKNT | WG22361-1 | WG22361-1A52_T | 01/15/03 | 1029 |
| 03 | VNTLCS | WG22361-4 | WG22361-4A52_T | 01/15/03 | 1108 |
| 04 | TRIPBLANK 1- | T2812-5 | T2812-5R2A52 | 01/15/03 | 1209 |
| 05 | TRIPBLANK 1- | T2812-10 | T2812-10A52 | 01/15/03 | 1656 |
| 06 | TRIPBLANK 1- | T2812-15 | T2812-15A52 | 01/15/03 | 1731 |
| 07 | GW-MW11 | T2812-7 | T2812-7A52 | 01/15/03 | 1807 |
| 08 | GW-MW11MS | WG22361-6 | WG22361-6A52 | 01/15/03 | 1843 |
| 09 | GW-MW11MSD | WG22361-7 | WG22361-7A52 | 01/15/03 | 1919 |
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: BF030116A52

BFB Injection Date: 01/16/03

Instrument ID: F50052

BFB Injection Time: 0753

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 15.0 |
| 75 | 30.0 - 60.0% of mass 95 | 44.9 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.5 |
| 173 | Less than 2.0% of mass 174 | 0.1 (0.1)1 |
| 174 | Greater than 50.0% of mass 95 | 52.6 |
| 175 | 5.0 - 9.0% of mass 174 | 3.5 (6.6)1 |
| 176 | 95.0 - 101.0% of mass 174 | 51.5 (98.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.1 (6.0)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | CU030116A52 | 01/16/03 | 1036 |
| 02 | VBLKNW | WG22361-8 | WG22361-8A52 | 01/16/03 | 1122 |
| 03 | VNWLCS | WG22361-9 | WG22361-9A52 | 01/16/03 | 1157 |
| 04 | GW-MW10 | T2812-6 | T2812-6RA52 | 01/16/03 | 1232 |
| 05 | GW-MW07 | T2812-8 | T2812-8RA52 | 01/16/03 | 1303 |
| 06 | ER-SS-010803 | T2812-9 | T2812-9RA52 | 01/16/03 | 1334 |
| 07 | GW-MW09 | T2812-11 | T2812-11A52 | 01/16/03 | 1405 |
| 08 | GW-MW05 | T2812-12 | T2812-12A52 | 01/16/03 | 1436 |
| 09 | GW-MW06 | T2812-13 | T2812-13A52 | 01/16/03 | 1507 |
| 10 | ER-SS-010903 | T2812-14 | T2812-14A52 | 01/16/03 | 1538 |
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age 1 of 1

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: BF030109A59

BFB Injection Date: 01/09/03

Instrument ID: 5972HP59

BFB Injection Time: 1051

GC Column: ZB624

ID: 32.00 (mm)

Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 18.3 |
| 75 | 30.0 - 60.0% of mass 95 | 40.7 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 74.1 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 (7.3)1 |
| 176 | 95.0 - 101.0% of mass 174 | 73.4 (99.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.8 (6.6)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD005 | VSTD005 | GS030109A59 | 01/09/03 | 1133 |
| 02 | VSTD010 | VSTD010 | GT030109A59 | 01/09/03 | 1158 |
| 03 | VSTD020 | VSTD020 | GU030109A59 | 01/09/03 | 1224 |
| 04 | VSTD050 | VSTD050 | GV030109A59 | 01/09/03 | 1249 |
| 05 | VSTD100 | VSTD100 | GW030109A59 | 01/09/03 | 1314 |
| 06 | VSTD200 | VSTD200 | GX030109A59 | 01/09/03 | 1340 |
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age 1 of 1

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2812
Lab File ID: BF030121B59 BFB Injection Date: 01/21/03
Instrument ID: 5972HP59 BFB Injection Time: 2059
GC Column: ZB624 ID: 32.00 (mm) Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 23.0 |
| 75 | 30.0 - 60.0% of mass 95 | 43.3 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.9 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 72.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5.2 (7.1)1 |
| 176 | 95.0 - 101.0% of mass 174 | 70.5 (96.9)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.7 (6.6)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | GS030121B59 | 01/21/03 | 2117 |
| 02 | VBLKRG | WG22480-2 | WG22480-2B59-T | 01/21/03 | 2142 |
| 03 | VRGLCS | WG22480-5 | WG22480-5B59-T | 01/21/03 | 2233 |
| 04 | GW-MW03 | T2812-16 | T2812-16B59 | 01/22/03 | 0220 |
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age 1 of 1

FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Instrument ID: F50052

Calibration Date: 01/14/03

Time: 1148

Lab File ID: CU030114A52

Init. Calib. Date(s): 01/07/03

01/07/03

Init. Calib. Times: 1821

2058

GC Column: EQUITY624 ID: 0.53 (mm)

| COMPOUND | RRF or AMOUNT | RRF50 or AMOUNT | CCAL RRF50 | MIN RRF | %D or %DRIFT | MAX %D or %DRIFT | CURV TYPE |
|------------------------------|------------------|-----------------------|---------------|------------|-----------------|---------------------|--------------|
| Dichlorodifluoromethane | 0.6320000 | 0.5331891 | 0.5331891 | 0.001 | -15.63 | 90.00 | AVRG |
| Chloromethane | 0.2920000 | 0.2704722 | 0.2704722 | 0.1 | -7.37 | 90.00 | AVRG |
| Vinyl Chloride | 0.2930000 | 0.3191171 | 0.3191171 | 0.001 | 8.91 | 20.00 | AVRG |
| Bromomethane | 0.3230000 | 0.3904324 | 0.3904324 | 0.001 | 20.88 | 90.00 | AVRG |
| Chloroethane | 0.2390000 | 0.1962070 | 0.1962070 | 0.001 | -17.90 | 90.00 | AVRG |
| Trichlorofluoromethane | 276.60344 | 250.00000 | 0.8376531 | 0.001 | 10.64 | 90.00 | 2RDR |
| 1,1-Dichloroethene | 0.3060000 | 0.3102039 | 0.3102039 | 0.001 | 1.37 | 20.00 | AVRG |
| Carbon disulfide | 1.0170000 | 0.9882301 | 0.9882301 | 0.001 | -2.83 | 90.00 | AVRG |
| 1,1,2-trichloro-1,2,2-triflu | 0.9800000 | 0.9560993 | 0.9560993 | 0.001 | -2.44 | 90.00 | AVRG |
| Acetone | 621.48155 | 625.00000 | 0.0401827 | 0.001 | -0.56 | 90.00 | 2RDR |
| Methylene Chloride | 0.3380000 | 0.3391091 | 0.3391091 | 0.001 | 0.33 | 90.00 | AVRG |
| trans-1,2-Dichloroethene | 0.2960000 | 0.3761264 | 0.3761264 | 0.001 | 27.07 | 90.00 | AVRG |
| Methyl-tert-butyl ether | 0.6140000 | 0.6945862 | 0.6945862 | 0.001 | 13.12 | 90.00 | AVRG |
| 1,1-Dichloroethane | 0.5850000 | 0.6376797 | 0.6376797 | 0.1 | 9.00 | 90.00 | AVRG |
| trans-1,2-Dichloroethene | 0.3060000 | 0.3183770 | 0.3183770 | 0.001 | 4.04 | 90.00 | AVRG |
| 2-butanone | 693.71368 | 625.00000 | 0.0615554 | 0.001 | 10.99 | 90.00 | 2RDR |
| Chloroform | 0.7600000 | 0.7691599 | 0.7691599 | 0.001 | 1.20 | 20.00 | AVRG |
| 1,1,1-Trichloroethane | 0.6920000 | 0.7501563 | 0.7501563 | 0.001 | 8.40 | 90.00 | AVRG |
| Carbon Tetrachloride | 0.7020000 | 0.6812461 | 0.6812461 | 0.001 | -2.96 | 90.00 | AVRG |
| Benzene | 0.8520000 | 0.9365830 | 0.9365830 | 0.001 | 9.93 | 90.00 | AVRG |
| 1,2-Dichloroethane | 0.4070000 | 0.4113236 | 0.4113236 | 0.001 | 1.06 | 90.00 | AVRG |
| Trichloroethene | 0.3530000 | 0.3518682 | 0.3518682 | 0.001 | -0.32 | 90.00 | AVRG |
| 1,2-Dichloropropane | 0.3880000 | 0.4003388 | 0.4003388 | 0.001 | 3.18 | 20.00 | AVRG |
| Bromodichloromethane | 0.7600000 | 0.7476467 | 0.7476467 | 0.001 | -1.62 | 90.00 | AVRG |
| cis-1,3-Dichloropropene | 0.5380000 | 0.5609018 | 0.5609018 | 0.001 | 4.26 | 90.00 | AVRG |
| 4-Methyl-2-pentanone | 0.2170000 | 0.2342835 | 0.2342835 | 0.001 | 7.96 | 90.00 | AVRG |
| Toluene | 0.7200000 | 0.7744417 | 0.7744417 | 0.001 | 7.56 | 20.00 | AVRG |
| trans-1,3-Dichloropropene | 0.5600000 | 0.6083108 | 0.6083108 | 0.001 | 8.63 | 90.00 | AVRG |
| 1,1,2-Trichloroethane | 0.3240000 | 0.3540512 | 0.3540512 | 0.001 | 9.28 | 90.00 | AVRG |
| Tetrachloroethene | 0.4420000 | 0.4531126 | 0.4531126 | 0.001 | 2.51 | 90.00 | AVRG |
| 2-hexanone | 0.1570000 | 0.1593560 | 0.1593560 | 0.001 | 1.50 | 90.00 | AVRG |
| Dibromochloromethane | 0.6610000 | 0.7180732 | 0.7180732 | 0.001 | 8.63 | 90.00 | AVRG |
| 1,2-Dibromoethane | 0.4760000 | 0.5237993 | 0.5237993 | 0.001 | 10.04 | 90.00 | AVRG |
| Chlorobenzene | 0.9200000 | 1.0334050 | 1.0334050 | 0.3 | 12.33 | 90.00 | AVRG |
| Ethylbenzene | 0.4300000 | 0.5130982 | 0.5130982 | 0.001 | 19.32 | 20.00 | AVRG |
| Styrene | 0.8250000 | 0.9375343 | 0.9375343 | 0.001 | 13.64 | 90.00 | AVRG |
| Bromoform | 0.4320000 | 0.4361176 | 0.4361176 | 0.1 | 0.95 | 90.00 | AVRG |
| Isopropyl Benzene | 1.5490000 | 1.8078765 | 1.8078765 | 0.001 | 16.71 | 90.00 | AVRG |
| 1,1,2,2-Tetrachloroethane | 1.0760000 | 1.0945400 | 1.0945400 | 0.3 | 1.72 | 90.00 | AVRG |
| 1,3-Dichlorobenzene | 1.4200000 | 1.5421414 | 1.5421414 | 0.001 | 8.60 | 90.00 | AVRG |
| 1,4-Dichlorobenzene | 1.6150000 | 1.7382544 | 1.7382544 | 0.001 | 7.63 | 90.00 | AVRG |
| 1,2-Dichlorobenzene | 1.2700000 | 1.3908315 | 1.3908315 | 0.001 | 9.51 | 90.00 | AVRG |

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Instrument ID: F50052

Calibration Date: 01/15/03

Time: 0938

Lab File ID: CU030115A52

Init. Calib. Date(s): 01/07/03

01/07/03

Init. Calib. Times: 1821

2058

GC Column: EQUITY624 ID: 0.53 (mm)

| COMPOUND | RRF or AMOUNT | RRF50 or AMOUNT | CCAL RRF50 | MIN RRF | %D or %DRIFT | MAX %D or %DRIFT | CURV TYPE |
|---------------------------------------|------------------|-----------------------|---------------|------------|-----------------|---------------------|--------------|
| Dichlorodifluoromethane | 0.6320000 | 0.4613153 | 0.4613153 | 0.001 | -27.01 | 90.00 | AVRG |
| Chloromethane | 0.2920000 | 0.2467899 | 0.2467899 | 0.1 | -15.48 | 90.00 | AVRG |
| Vinyl Chloride | 0.2930000 | 0.3087788 | 0.3087788 | 0.001 | 5.38 | 20.00 | AVRG |
| Bromomethane | 0.3230000 | 0.3899853 | 0.3899853 | 0.001 | 20.74 | 90.00 | AVRG |
| Chloroethane | 0.2390000 | 0.1997914 | 0.1997914 | 0.001 | -16.40 | 90.00 | AVRG |
| Trichlorofluoromethane | 254.30398 | 250.00000 | 0.7887306 | 0.001 | 1.72 | 90.00 | 2RDR |
| 1,1-Dichloroethene | 0.3060000 | 0.3017068 | 0.3017068 | 0.001 | -1.40 | 20.00 | AVRG |
| Carbon disulfide | 1.0170000 | 0.9522326 | 0.9522326 | 0.001 | -6.37 | 90.00 | AVRG |
| 1,1,2-trichloro-1,2,2-trifluoroethane | 0.9800000 | 0.9158321 | 0.9158321 | 0.001 | -6.55 | 90.00 | AVRG |
| Acetone | 659.30955 | 625.00000 | 0.0423912 | 0.001 | 5.49 | 90.00 | 2RDR |
| Methylene Chloride | 0.3380000 | 0.3339575 | 0.3339575 | 0.001 | -1.20 | 90.00 | AVRG |
| trans-1,2-Dichloroethene | 0.2960000 | 0.3664954 | 0.3664954 | 0.001 | 23.82 | 90.00 | AVRG |
| Methyl-tert-butyl ether | 0.6140000 | 0.7096332 | 0.7096332 | 0.001 | 15.58 | 90.00 | AVRG |
| 1,1-Dichloroethane | 0.5850000 | 0.6011086 | 0.6011086 | 0.1 | 2.75 | 90.00 | AVRG |
| cis-1,2-Dichloroethene | 0.3060000 | 0.3050257 | 0.3050257 | 0.001 | -0.32 | 90.00 | AVRG |
| 2-butanone | 680.94696 | 625.00000 | 0.0604276 | 0.001 | 8.95 | 90.00 | 2RDR |
| Chloroform | 0.7600000 | 0.7218810 | 0.7218810 | 0.001 | -5.02 | 20.00 | AVRG |
| 1,1,1-Trichloroethane | 0.6920000 | 0.6987902 | 0.6987902 | 0.001 | 0.98 | 90.00 | AVRG |
| Carbon Tetrachloride | 0.7020000 | 0.6332768 | 0.6332768 | 0.001 | -9.79 | 90.00 | AVRG |
| Benzene | 0.8520000 | 0.8988346 | 0.8988346 | 0.001 | 5.50 | 90.00 | AVRG |
| 1,2-Dichloroethane | 0.4070000 | 0.3954223 | 0.3954223 | 0.001 | -2.84 | 90.00 | AVRG |
| Trichloroethene | 0.3530000 | 0.3429354 | 0.3429354 | 0.001 | -2.85 | 90.00 | AVRG |
| 1,2-Dichloropropane | 0.3880000 | 0.3932781 | 0.3932781 | 0.001 | 1.36 | 20.00 | AVRG |
| Bromodichloromethane | 0.7600000 | 0.7109613 | 0.7109613 | 0.001 | -6.45 | 90.00 | AVRG |
| cis-1,3-Dichloropropene | 0.5380000 | 0.5549712 | 0.5549712 | 0.001 | 3.15 | 90.00 | AVRG |
| 4-Methyl-2-pentanone | 0.2170000 | 0.2439825 | 0.2439825 | 0.001 | 12.43 | 90.00 | AVRG |
| Toluene | 0.7200000 | 0.7320347 | 0.7320347 | 0.001 | 1.67 | 20.00 | AVRG |
| trans-1,3-Dichloropropene | 0.5600000 | 0.6071978 | 0.6071978 | 0.001 | 8.43 | 90.00 | AVRG |
| 1,1,2-Trichloroethane | 0.3240000 | 0.3547360 | 0.3547360 | 0.001 | 9.49 | 90.00 | AVRG |
| Tetrachloroethene | 0.4420000 | 0.4382732 | 0.4382732 | 0.001 | -0.84 | 90.00 | AVRG |
| 2-hexanone | 0.1570000 | 0.1741407 | 0.1741407 | 0.001 | 10.92 | 90.00 | AVRG |
| Dibromochloromethane | 0.6610000 | 0.7167723 | 0.7167723 | 0.001 | 8.44 | 90.00 | AVRG |
| 1,2-Dibromoethane | 0.4760000 | 0.5354042 | 0.5354042 | 0.001 | 12.48 | 90.00 | AVRG |
| Chlorobenzene | 0.9200000 | 1.0018769 | 1.0018769 | 0.3 | 8.90 | 90.00 | AVRG |
| Ethylbenzene | 0.4300000 | 0.4926166 | 0.4926166 | 0.001 | 14.56 | 20.00 | AVRG |
| Styrene | 0.8250000 | 0.9071205 | 0.9071205 | 0.001 | 9.95 | 90.00 | AVRG |
| Bromoform | 0.4320000 | 0.4448829 | 0.4448829 | 0.1 | 2.98 | 90.00 | AVRG |
| Isopropyl Benzene | 1.5490000 | 1.7045053 | 1.7045053 | 0.001 | 10.04 | 90.00 | AVRG |
| 1,1,2,2-Tetrachloroethane | 1.0760000 | 1.0971483 | 1.0971483 | 0.3 | 1.96 | 90.00 | AVRG |
| 1,3-Dichlorobenzene | 1.4200000 | 1.4729857 | 1.4729857 | 0.001 | 3.73 | 90.00 | AVRG |
| 1,4-Dichlorobenzene | 1.6150000 | 1.6443987 | 1.6443987 | 0.001 | 1.82 | 90.00 | AVRG |
| 1,2-Dichlorobenzene | 1.2700000 | 1.3341835 | 1.3341835 | 0.001 | 5.05 | 90.00 | AVRG |

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Instrument ID: F50052

Calibration Date: 01/16/03

Time: 1036

Lab File ID: CU030116A52

Init. Calib. Date(s): 01/07/03

01/07/03

Init. Calib. Times: 1821

2058

GC Column: EQUITY624 ID: 0.53 (mm)

| COMPOUND | RRF or AMOUNT | RRF50 or AMOUNT | CCAL RRF50 | MIN RRF | %D or %DRIFT | MAX %D or %DRIFT | CURV TYPE |
|---------------------------------------|------------------|-----------------------|---------------|------------|-----------------|---------------------|--------------|
| Dichlorodifluoromethane | 0.6320000 | 0.6433973 | 0.6433973 | 0.001 | 1.80 | 90.00 | AVRG |
| Chloromethane | 0.2920000 | 0.2824307 | 0.2824307 | 0.1 | -3.28 | 90.00 | AVRG |
| Vinyl Chloride | 0.2930000 | 0.3309339 | 0.3309339 | 0.001 | 12.95 | 20.00 | AVRG |
| Bromomethane | 0.3230000 | 0.3963550 | 0.3963550 | 0.001 | 22.71 | 90.00 | AVRG |
| Chloroethane | 0.2390000 | 0.2052957 | 0.2052957 | 0.001 | -14.10 | 90.00 | AVRG |
| Trichlorofluoromethane | 246.50438 | 250.00000 | 0.7711667 | 0.001 | -1.40 | 90.00 | 2RDR |
| 1,1-Dichloroethene | 0.3060000 | 0.3460671 | 0.3460671 | 0.001 | 13.09 | 20.00 | AVRG |
| Carbon disulfide | 1.0170000 | 1.2293070 | 1.2293070 | 0.001 | 20.88 | 90.00 | AVRG |
| 1,1,2-trichloro-1,2,2-trifluoroethane | 0.9800000 | 1.0409811 | 1.0409811 | 0.001 | 6.22 | 90.00 | AVRG |
| Acetone | 511.99104 | 625.00000 | 0.0336675 | 0.001 | -18.08 | 90.00 | 2RDR |
| Methylene Chloride | 0.3380000 | 0.3447298 | 0.3447298 | 0.001 | 1.99 | 90.00 | AVRG |
| trans-1,2-Dichloroethene | 0.2960000 | 0.3901295 | 0.3901295 | 0.001 | 31.80 | 90.00 | AVRG |
| Ethyl-tert-butyl ether | 0.6140000 | 0.6886318 | 0.6886318 | 0.001 | 12.16 | 90.00 | AVRG |
| 1,1-Dichloroethane | 0.5850000 | 0.5966298 | 0.5966298 | 0.1 | 1.99 | 90.00 | AVRG |
| cis-1,2-Dichloroethene | 0.3060000 | 0.3029154 | 0.3029154 | 0.001 | -1.01 | 90.00 | AVRG |
| 2-butanone | 571.04660 | 625.00000 | 0.0507733 | 0.001 | -8.63 | 90.00 | 2RDR |
| Chloroform | 0.7600000 | 0.7092126 | 0.7092126 | 0.001 | -6.68 | 20.00 | AVRG |
| 1,1,1-Trichloroethane | 0.6920000 | 0.7003948 | 0.7003948 | 0.001 | 1.21 | 90.00 | AVRG |
| Carbon Tetrachloride | 0.7020000 | 0.6277856 | 0.6277856 | 0.001 | -10.57 | 90.00 | AVRG |
| Benzene | 0.8520000 | 0.9144648 | 0.9144648 | 0.001 | 7.33 | 90.00 | AVRG |
| 1,2-Dichloroethane | 0.4070000 | 0.3846315 | 0.3846315 | 0.001 | -5.50 | 90.00 | AVRG |
| Trichloroethene | 0.3530000 | 0.3387484 | 0.3387484 | 0.001 | -4.04 | 90.00 | AVRG |
| 1,2-Dichloropropane | 0.3880000 | 0.3876837 | 0.3876837 | 0.001 | -0.08 | 20.00 | AVRG |
| Bromodichloromethane | 0.7600000 | 0.6922456 | 0.6922456 | 0.001 | -8.92 | 90.00 | AVRG |
| cis-1,3-Dichloropropene | 0.5380000 | 0.5383089 | 0.5383089 | 0.001 | 0.06 | 90.00 | AVRG |
| 4-Methyl-2-pentanone | 0.2170000 | 0.1992423 | 0.1992423 | 0.001 | -8.18 | 90.00 | AVRG |
| Toluene | 0.7200000 | 0.7428938 | 0.7428938 | 0.001 | 3.18 | 20.00 | AVRG |
| trans-1,3-Dichloropropene | 0.5600000 | 0.5815311 | 0.5815311 | 0.001 | 3.84 | 90.00 | AVRG |
| 1,1,2-Trichloroethane | 0.3240000 | 0.3472570 | 0.3472570 | 0.001 | 7.18 | 90.00 | AVRG |
| Tetrachloroethene | 0.4420000 | 0.4476390 | 0.4476390 | 0.001 | 1.28 | 90.00 | AVRG |
| 2-hexanone | 0.1570000 | 0.1429180 | 0.1429180 | 0.001 | -8.97 | 90.00 | AVRG |
| Dibromochloromethane | 0.6610000 | 0.7043453 | 0.7043453 | 0.001 | 6.56 | 90.00 | AVRG |
| 1,2-Dibromoethane | 0.4760000 | 0.5096217 | 0.5096217 | 0.001 | 7.06 | 90.00 | AVRG |
| Chlorobenzene | 0.9200000 | 1.0247532 | 1.0247532 | 0.3 | 11.39 | 90.00 | AVRG |
| Ethylbenzene | 0.4300000 | 0.5031619 | 0.5031619 | 0.001 | 17.01 | 20.00 | AVRG |
| Styrene | 0.8250000 | 0.9190114 | 0.9190114 | 0.001 | 11.40 | 90.00 | AVRG |
| Bromoform | 0.4320000 | 0.4310185 | 0.4310185 | 0.1 | -0.23 | 90.00 | AVRG |
| Isopropyl Benzene | 1.5490000 | 1.7794938 | 1.7794938 | 0.001 | 14.88 | 90.00 | AVRG |
| 1,1,2,2-Tetrachloroethane | 1.0760000 | 1.0853017 | 1.0853017 | 0.3 | 0.86 | 90.00 | AVRG |
| 1,3-Dichlorobenzene | 1.4200000 | 1.5616102 | 1.5616102 | 0.001 | 9.97 | 90.00 | AVRG |
| 1,4-Dichlorobenzene | 1.6150000 | 1.6399606 | 1.6399606 | 0.001 | 1.54 | 90.00 | AVRG |
| 2-Dichlorobenzene | 1.2700000 | 1.3408343 | 1.3408343 | 0.001 | 5.58 | 90.00 | AVRG |

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Instrument ID: 5972HP59

Calibration Date: 01/21/03

Time: 2117

Lab File ID: GS030121B59

Init. Calib. Date(s): 01/09/03

01/09/03

Init. Calib. Times: 1133

1340

GC Column: ZB-624

ID: 0.32 (mm)

| COMPOUND | RRF or AMOUNT | RRF50 or AMOUNT | CCAL RRF50 | MIN RRF | %D or %DRIFT | MAX %D or %DRIFT | CURV TYPE |
|------------------------------|------------------|-----------------------|---------------|------------|-----------------|---------------------|--------------|
| Dichlorodifluoromethane | 0.4920000 | 0.5323411 | 0.5323411 | 0.001 | 8.20 | 90.00 | AVRG |
| Chloromethane | 0.2470000 | 0.2415070 | 0.2415070 | 0.1 | -2.22 | 90.00 | AVRG |
| Vinyl Chloride | 0.2050000 | 0.2090026 | 0.2090026 | 0.001 | 1.95 | 20.00 | AVRG |
| Bromomethane | 0.2480000 | 0.2865364 | 0.2865364 | 0.001 | 15.54 | 90.00 | AVRG |
| Chloroethane | 0.0890000 | 0.0928866 | 0.0928866 | 0.001 | 4.37 | 90.00 | AVRG |
| Trichlorofluoromethane | 0.6050000 | 0.6170319 | 0.6170319 | 0.001 | 1.99 | 90.00 | AVRG |
| 1,1-Dichloroethene | 0.2410000 | 0.2534785 | 0.2534785 | 0.001 | 5.18 | 20.00 | AVRG |
| Carbon disulfide | 0.9200000 | 0.9248642 | 0.9248642 | 0.001 | 0.53 | 90.00 | AVRG |
| 1,1,2-trichloro-1,2,2-triflu | 0.4300000 | 0.4500187 | 0.4500187 | 0.001 | 4.66 | 90.00 | AVRG |
| Acetone | 628.70038 | 625.00000 | 0.0443402 | 0.001 | 0.59 | 90.00 | 2RDR |
| Methylene Chloride | 0.2680000 | 0.2785478 | 0.2785478 | 0.001 | 3.94 | 90.00 | AVRG |
| trans-1,2-Dichloroethene | 0.2640000 | 0.2667053 | 0.2667053 | 0.001 | 1.02 | 90.00 | AVRG |
| Methyl-tert-butyl ether | 0.6960000 | 0.6191970 | 0.6191970 | 0.001 | -11.03 | 90.00 | AVRG |
| 1,1-Dichloroethane | 0.4060000 | 0.3904266 | 0.3904266 | 0.1 | -3.84 | 90.00 | AVRG |
| cis-1,2-Dichloroethene | 0.2900000 | 0.2878508 | 0.2878508 | 0.001 | -0.74 | 90.00 | AVRG |
| 2-butanone | 635.12748 | 625.00000 | 0.0667631 | 0.001 | 1.62 | 90.00 | 2RDR |
| Chloroform | 0.5740000 | 0.5396758 | 0.5396758 | 0.001 | -5.98 | 20.00 | AVRG |
| 1,1,1-Trichloroethane | 0.5560000 | 0.4949877 | 0.4949877 | 0.001 | -10.97 | 90.00 | AVRG |
| Carbon Tetrachloride | 0.5390000 | 0.4630996 | 0.4630996 | 0.001 | -14.08 | 90.00 | AVRG |
| Benzene | 0.8350000 | 0.8458789 | 0.8458789 | 0.001 | 1.30 | 90.00 | AVRG |
| 1,2-Dichloroethane | 0.3860000 | 0.3200522 | 0.3200522 | 0.001 | -17.08 | 90.00 | AVRG |
| Trichloroethene | 0.2300000 | 0.2398167 | 0.2398167 | 0.001 | 4.27 | 90.00 | AVRG |
| 1,2-Dichloropropane | 0.1960000 | 0.1844228 | 0.1844228 | 0.001 | -5.91 | 20.00 | AVRG |
| Bromodichloromethane | 0.4240000 | 0.3779694 | 0.3779694 | 0.001 | -10.86 | 90.00 | AVRG |
| cis-1,3-Dichloropropene | 0.3850000 | 0.3651922 | 0.3651922 | 0.001 | -5.14 | 90.00 | AVRG |
| 4-Methyl-2-pentanone | 0.2360000 | 0.2395985 | 0.2395985 | 0.001 | 1.52 | 90.00 | AVRG |
| Toluene | 0.9340000 | 0.9196571 | 0.9196571 | 0.001 | -1.54 | 20.00 | AVRG |
| trans-1,3-Dichloropropene | 0.5830000 | 0.5117167 | 0.5117167 | 0.001 | -12.23 | 90.00 | AVRG |
| 1,1,2-Trichloroethane | 0.3600000 | 0.3609267 | 0.3609267 | 0.001 | 0.26 | 90.00 | AVRG |
| Tetrachloroethene | 0.3690000 | 0.4012082 | 0.4012082 | 0.001 | 8.73 | 90.00 | AVRG |
| 2-hexanone | 0.1680000 | 0.1601201 | 0.1601201 | 0.001 | -4.69 | 90.00 | AVRG |
| Dibromochloromethane | 0.5910000 | 0.5435285 | 0.5435285 | 0.001 | -8.03 | 90.00 | AVRG |
| 1,2-Dibromoethane | 0.4320000 | 0.4116702 | 0.4116702 | 0.001 | -4.70 | 90.00 | AVRG |
| Chlorobenzene | 0.9720000 | 0.9415503 | 0.9415503 | 0.3 | -3.13 | 90.00 | AVRG |
| Ethylbenzene | 0.4780000 | 0.4468667 | 0.4468667 | 0.001 | -6.51 | 20.00 | AVRG |
| Styrene | 1.0320000 | 0.9120219 | 0.9120219 | 0.001 | -11.62 | 90.00 | AVRG |
| Bromoform | 0.4340000 | 0.4435914 | 0.4435914 | 0.1 | 2.21 | 90.00 | AVRG |
| Isopropyl Benzene | 1.6860000 | 1.5192377 | 1.5192377 | 0.001 | -9.89 | 90.00 | AVRG |
| 1,1,2,2-Tetrachloroethane | 0.8780000 | 0.7669232 | 0.7669232 | 0.3 | -12.65 | 90.00 | AVRG |
| 1,3-Dichlorobenzene | 1.5720000 | 1.4306808 | 1.4306808 | 0.001 | -8.99 | 90.00 | AVRG |
| 1,4-Dichlorobenzene | 1.6210000 | 1.4893542 | 1.4893542 | 0.001 | -8.12 | 90.00 | AVRG |
| 1,2-Dichlorobenzene | 1.4420000 | 1.3332912 | 1.3332912 | 0.001 | -7.54 | 90.00 | AVRG |

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SDG NARRATIVE

SDG # T2812

PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: ER-SS-010803, EF-SS-010903, GW-MW01, GW-MW02, GW-MW02-D, GW-MW03, GW-MW05, GW-MW06, GW-MW07, GW-MW08, GW-MW09, GW-MW10, GW-MW11.

The thirteen aqueous samples listed above were received properly refrigerated between 2.1-3.7°C, with proper documentation, in sealed shipping containers, on January 8 through January 15, 2003. With the exception of GW-MW03, these samples were received intact. One amber liter of GW-MW03 was received broken. Enough sample was received to proceed with analysis from another container. The samples were scheduled for the requested analyses of the semivolatile fraction. SW-846, 3rd Edition, Update 3, Separatory Funnel extraction (Method 3510C), and Method 8270C were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the SDG narrative deals with the semivolatile fractions only. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # T2812 are included in the sample data sections. Extraction and analysis holding time requirements were met for all of these samples.

There were no semivolatile project analytes identified above the Quantitation Limit (QL) in any of these samples. Tentatively Identified Compounds (TICs) were found in eight of these samples. The TICs found in these samples could be characterized as sulfur and unknowns. Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG. 500 mL of raw sample were used to extract GW-MW08, rather than the method-specified amount of 1000 mL. Low sample volume was received for this sample. The extract was concentrated to a final volume half that of the method-specified volume, and therefore no effective dilution was performed during the extraction procedure.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated to this SDG. Tailing factor criteria were met for pentachlorophenol and benzidine. The breakdown criterion was met for DDT. These three compounds have been added to the DFTPP solution and analyzed together. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. All of the surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria. There were no TICs found in these method blanks. GW-MW11 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all advisory accuracy criteria. With four exceptions, all advisory precision criteria were met in the comparison of the duplicate matrix spikes. The associated Laboratory Control Sample (LCS) met overall accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Rebecca K Mead

Rebecca K. Mead
Supervisor, GC/MS SVOA
January 27, 2003

Laboratory Notice

Calibration Date(s): 17-DEC-2002 18:42 17-DEC-2002 21:37

Instrument ID: 5972hp64

An initial calibration was analyzed by Method 8270C. Per the methodology, all compounds are to meet a Percent Relative Standard Deviation (%RSD) limit of no more than 15%. Additional calibration options are provided in the method when the RSD exceeds 15%. CompuChem was chosen to apply the option of determining the mean RSD values for all analytes in the initial calibration.

When there are analytes with %RSDs greater than the limit, proof of calibration linearity can be shown if the average of all compounds in the initial calibration meet the same 15% limit. Based on Method 8270C, sec. 7.3.7.1, and Method 8000B, Section 7.5.1.2, we are providing a list of the compounds which failed to meet the limit, and their associated RSDs. Finally, the average of all %RSDs from all compounds in the initial calibration is shown, confirming the usability of the initial calibration and any data that follows it.

| Compound Name | RSD |
|---------------|------|
| pyridine | 20.6 |
| triazine | 86.1 |
| enzidine | 37.0 |

Average %RSD for all compounds in the Initial Calibration: 5.6 %

Data Reviewer/ID: VR / 2391

Date: 12/19/02

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: DF030109A64

DFTPP Injection Date: 01/09/03

Instrument ID: 5972HP64

DFTPP Injection Time: 0934

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 80.0% of mass 198 | 42.2 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 56.9 |
| 70 | Less than 2.0% of mass 69 | 0.1 (0.1)1 |
| 127 | 25.0 - 75.0% of mass 198 | 42.3 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.7 |
| 275 | 10.0 - 30.0% of mass 198 | 22.1 |
| 365 | Greater than 0.75% of mass 198 | 3.10 |
| 441 | Present, but less than mass 443 | 13.3 |
| 442 | 40.0 - 110.0% of mass 198 | 87.3 |
| 443 | 15.0 - 24.0% of mass 442 | 16.5 (18.9)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD080 | SSTD080 | HG030109A64 | 01/09/03 | 0956 |
| 02 | SBLKIJ | WG22350-1 | WG22350-1A64 | 01/09/03 | 1035 |
| 03 | SIJLCS | WG22350-2 | WG22350-2A64 | 01/09/03 | 1111 |
| 04 | GW-MW01 | T2812-1 | T2812-1A64 | 01/09/03 | 1146 |
| 05 | GW-MW02-D | T2812-3 | T2812-3A64 | 01/09/03 | 1257 |
| 06 | GW-MW02 | T2812-2 | T2812-2JA64 | 01/09/03 | 1416 |
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2812
Instrument ID: 5972HP64 Calibration Date: 01/09/03 Time: 0956
Lab File ID: HG030109A64 Init. Calib. Date(s): 12/17/02 12/17/02
Init. Calib. Times: 1842 2137
GC Column: RTX-5MS ID: 0.32 (mm)

| COMPOUND | RRF OR AMOUNT | RRF80.000 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|----------------------------|------------------|---------------------------|------------|-----------------|---------------------|--------------|
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| N-Nitrosodiphenylamine | 0.5850000 | 0.5678619 | 0.01 | -2.93 | 20.00 | AVRG |
| 4-Bromophenyl-phenylether | 0.2990000 | 0.2880939 | 0.01 | -3.65 | 50.00 | AVRG |
| Hexachlorobenzene | 0.3330000 | 0.3361939 | 0.01 | 0.96 | 50.00 | AVRG |
| Atrazine | 0.1160000 | 0.0439847 | 0.01 | -62.08 | 50.00 | AVRG |
| Pentachlorophenol | 0.1850000 | 0.1738772 | 0.05 | -6.01 | 20.00 | AVRG |
| Phenanthrene | 1.1590000 | 1.1495419 | 0.01 | -0.82 | 50.00 | AVRG |
| Anthracene | 1.1510000 | 1.1308550 | 0.01 | -1.75 | 50.00 | AVRG |
| Carbazole | 1.0240000 | 0.9301350 | 0.01 | -9.17 | 50.00 | AVRG |
| Di-n-butylphthalate | 1.7210000 | 1.6665747 | 0.01 | -3.16 | 50.00 | AVRG |
| Fluoranthene | 1.3760000 | 1.3871315 | 0.01 | 0.81 | 20.00 | AVRG |
| Pyrene | 1.4170000 | 1.3478756 | 0.01 | -4.88 | 50.00 | AVRG |
| Butylbenzylphthalate | 0.8000000 | 0.7214006 | 0.01 | -9.82 | 50.00 | AVRG |
| 3,3'-Dichlorobenzidine | 0.4430000 | 0.4440637 | 0.01 | 0.24 | 50.00 | AVRG |
| bis(2-ethylhexyl)Phthalate | 1.0400000 | 0.9490731 | 0.01 | -8.74 | 50.00 | AVRG |
| Benzo(a)anthracene | 1.3370000 | 1.3099690 | 0.01 | -2.02 | 50.00 | AVRG |
| Chrysene | 1.2040000 | 1.1680010 | 0.01 | -2.99 | 50.00 | AVRG |
| Di-n-octylphthalate | 2.5580000 | 2.2877294 | 0.01 | -10.56 | 20.00 | AVRG |
| Benzo(b)fluoranthene | 1.7420000 | 1.8288301 | 0.01 | 4.98 | 50.00 | AVRG |
| Benzo(k)fluoranthene | 1.6930000 | 1.5522627 | 0.01 | -8.31 | 50.00 | AVRG |
| Benzo(a)pyrene | 1.5570000 | 1.5356741 | 0.01 | -1.37 | 20.00 | AVRG |
| Indeno(1,2,3-cd)pyrene | 1.5310000 | 1.6515042 | 0.01 | 7.87 | 50.00 | AVRG |
| Dibenzo(a,h)anthracene | 1.4120000 | 1.4567943 | 0.01 | 3.17 | 50.00 | AVRG |
| Benzo(g,h,i)perylene | 1.4410000 | 1.5399606 | 0.01 | 6.87 | 50.00 | AVRG |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 2-Fluorophenol | 1.3700000 | 1.4031972 | 0.01 | 2.42 | 50.00 | AVRG |
| Phenol-d5 | 1.7810000 | 1.7545553 | 0.01 | -1.48 | 50.00 | AVRG |
| Nitrobenzene-d5 | 0.5380000 | 0.5313549 | 0.01 | -1.24 | 50.00 | AVRG |
| 2-Fluorobiphenyl | 1.5390000 | 1.5050389 | 0.01 | -2.21 | 50.00 | AVRG |
| 2,4,6-Tribromophenol | 0.4010000 | 0.4401086 | 0.01 | 9.75 | 50.00 | AVRG |
| Terphenyl-d14 | 1.0730000 | 1.0560419 | 0.01 | -1.58 | 50.00 | AVRG |

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: DF030112A64

DFTPP Injection Date: 01/12/03

Instrument ID: 5972HP64

DFTPP Injection Time: 1009

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 80.0% of mass 198 | 38.5 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 54.6 |
| 70 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 127 | 25.0 - 75.0% of mass 198 | 40.0 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.7 |
| 275 | 10.0 - 30.0% of mass 198 | 22.6 |
| 365 | Greater than 0.75% of mass 198 | 3.17 |
| 441 | Present, but less than mass 443 | 13.6 |
| 442 | 40.0 - 110.0% of mass 198 | 89.4 |
| 443 | 15.0 - 24.0% of mass 442 | 16.3 (18.3)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD080 | SSTD080 | HG030112A64 | 01/12/03 | 1030 |
| 02 | SBLKIX | WG22379-1 | WG22379-1A64 | 01/12/03 | 1118 |
| 03 | SIXLCS | WG22379-2 | WG22379-2A64 | 01/12/03 | 1153 |
| 04 | GW-MW09 | T2812-11 | T2812-11A64 | 01/12/03 | 1228 |
| 05 | GW-MW05 | T2812-12 | T2812-12A64 | 01/12/03 | 1303 |
| 06 | GW-MW06 | T2812-13 | T2812-13A64 | 01/12/03 | 1338 |
| 07 | ER-SS-010903 | T2812-14 | T2812-14A64 | 01/12/03 | 1413 |
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Instrument ID: 5972HP64

Calibration Date: 01/12/03

Time: 1030

Lab File ID: HG030112A64

Init. Calib. Date(s): 12/17/02 12/17/02

Init. Calib. Times: 1842

2137

GC Column: RTX-5MS ID: 0.32 (mm)

| COMPOUND | RRF OR AMOUNT | RRF80.000 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|-----------------------------|------------------|---------------------------|------------|-----------------|---------------------|--------------|
| 1-Nitrosodiphenylamine | 0.5850000 | 0.5646846 | 0.01 | -3.47 | 20.00 | AVRG |
| 4-Bromophenyl-phenylether | 0.2990000 | 0.2965556 | 0.01 | -0.82 | 50.00 | AVRG |
| Hexachlorobenzene | 0.3330000 | 0.3481779 | 0.01 | 4.56 | 50.00 | AVRG |
| Atrazine | 0.1160000 | 0.0207813 | 0.01 | -82.08 | 50.00 | AVRG |
| Pentachlorophenol | 0.1850000 | 0.1798137 | 0.05 | -2.80 | 20.00 | AVRG |
| Phenanthrene | 1.1590000 | 1.1492952 | 0.01 | -0.84 | 50.00 | AVRG |
| Anthracene | 1.1510000 | 1.1556420 | 0.01 | 0.40 | 50.00 | AVRG |
| Carbazole | 1.0240000 | 0.9756965 | 0.01 | -4.72 | 50.00 | AVRG |
| Di-n-butylphthalate | 1.7210000 | 1.6915083 | 0.01 | -1.71 | 50.00 | AVRG |
| Fluoranthene | 1.3760000 | 1.4023391 | 0.01 | 1.91 | 20.00 | AVRG |
| Pyrene | 1.4170000 | 1.2712856 | 0.01 | -10.28 | 50.00 | AVRG |
| Butylbenzylphthalate | 0.8000000 | 0.7308250 | 0.01 | -8.65 | 50.00 | AVRG |
| 2,3'-Dichlorobenzidine | 0.4430000 | 0.3990207 | 0.01 | -9.93 | 50.00 | AVRG |
| Bis(2-ethylhexyl) Phthalate | 1.0400000 | 0.9486631 | 0.01 | -8.78 | 50.00 | AVRG |
| Benzo(a)anthracene | 1.3370000 | 1.3275006 | 0.01 | -0.71 | 50.00 | AVRG |
| Chrysene | 1.2040000 | 1.1957471 | 0.01 | -0.68 | 50.00 | AVRG |
| Di-n-octylphthalate | 2.5580000 | 2.2257180 | 0.01 | -12.99 | 20.00 | AVRG |
| Benzo(b)fluoranthene | 1.7420000 | 1.7818230 | 0.01 | 2.29 | 50.00 | AVRG |
| Benzo(k)fluoranthene | 1.6930000 | 1.5107775 | 0.01 | -10.76 | 50.00 | AVRG |
| Benzo(a)pyrene | 1.5570000 | 1.4870520 | 0.01 | -4.49 | 20.00 | AVRG |
| Indeno(1,2,3-cd)pyrene | 1.5310000 | 1.6030756 | 0.01 | 4.71 | 50.00 | AVRG |
| Bibenzo(a,h)anthracene | 1.4120000 | 1.5168733 | 0.01 | 7.43 | 50.00 | AVRG |
| Benzo(g,h,i)perylene | 1.4410000 | 1.5552776 | 0.01 | 7.93 | 50.00 | AVRG |
| 2-Fluorophenol | 1.3700000 | 1.3610190 | 0.01 | -0.66 | 50.00 | AVRG |
| Phenol-d5 | 1.7810000 | 1.7655201 | 0.01 | -0.87 | 50.00 | AVRG |
| Nitrobenzene-d5 | 0.5380000 | 0.5145369 | 0.01 | -4.36 | 50.00 | AVRG |
| 2-Fluorobiphenyl | 1.5390000 | 1.5145192 | 0.01 | -1.59 | 50.00 | AVRG |
| 2,4,6-Tribromophenol | 0.4010000 | 0.4261053 | 0.01 | 6.26 | 50.00 | AVRG |
| 2-Phenyl-d14 | 1.0730000 | 0.9979537 | 0.01 | -6.99 | 50.00 | AVRG |

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

Lab File ID: DF030119A64

DFTPP Injection Date: 01/19/03

Instrument ID: 5972HP64

DFTPP Injection Time: 1037

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 80.0% of mass 198 | 40.4 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 53.3 |
| 70 | Less than 2.0% of mass 69 | 0.3 (0.5)1 |
| 127 | 25.0 - 75.0% of mass 198 | 41.1 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.4 |
| 275 | 10.0 - 30.0% of mass 198 | 22.7 |
| 365 | Greater than 0.75% of mass 198 | 3.33 |
| 441 | Present, but less than mass 443 | 14.3 |
| 442 | 40.0 - 110.0% of mass 198 | 95.2 |
| 443 | 15.0 - 24.0% of mass 442 | 18.8 (19.8)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD080 | SSTD080 | HG030119A64 | 01/19/03 | 1059 |
| 02 | SBLKKB | WG22457-1 | WG22457-1A64TC | 01/19/03 | 1134 |
| 03 | SKBLCS | WG22457-2 | WG22457-2A64TC | 01/19/03 | 1209 |
| 04 | GW-MW03 | T2812-16 | T2812-16A64 | 01/19/03 | 1244 |
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: T2812
Instrument ID: 5972HP64 Calibration Date: 01/19/03 Time: 1059
Lab File ID: HG030119A64 Init. Calib. Date(s): 12/17/02 12/17/02
Init. Calib. Times: 1842 2137
GC Column: RTX-5MS ID: 0.32 (mm)

| COMPOUND | RRF OR AMOUNT | RRF80.000 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|------------------------------|------------------|---------------------------|------------|-----------------|---------------------|--------------|
| N-Nitrosodiphenylamine | 0.5850000 | 0.5581275 | 0.01 | -4.59 | 20.00 | AVRG |
| 4-Bromophenyl-phenylether | 0.2990000 | 0.2936480 | 0.01 | -1.79 | 50.00 | AVRG |
| Hexachlorobenzene | 0.3330000 | 0.3463592 | 0.01 | 4.01 | 50.00 | AVRG |
| Atrazine | 0.1160000 | 0.0161768 | 0.01 | -86.05 | 50.00 | AVRG <- |
| Pentachlorophenol | 0.1850000 | 0.1740709 | 0.05 | -5.91 | 20.00 | AVRG |
| Phenanthrene | 1.1590000 | 1.1354126 | 0.01 | -2.04 | 50.00 | AVRG |
| Anthracene | 1.1510000 | 1.1257494 | 0.01 | -2.19 | 50.00 | AVRG |
| Carbazole | 1.0240000 | 0.9338782 | 0.01 | -8.80 | 50.00 | AVRG |
| Di-n-butylphthalate | 1.7210000 | 1.6797607 | 0.01 | -2.40 | 50.00 | AVRG |
| Fluoranthene | 1.3760000 | 1.3781099 | 0.01 | 0.15 | 20.00 | AVRG |
| Pyrene | 1.4170000 | 1.2977281 | 0.01 | -8.42 | 50.00 | AVRG |
| Butylbenzylphthalate | 0.8000000 | 0.7304290 | 0.01 | -8.70 | 50.00 | AVRG |
| 3,3'-Dichlorobenzidine | 0.4430000 | 0.3890163 | 0.01 | -12.18 | 50.00 | AVRG |
| cis (2-ethylhexyl) Phthalate | 1.0400000 | 0.9543653 | 0.01 | -8.23 | 50.00 | AVRG |
| Benzo (a) anthracene | 1.3370000 | 1.3110517 | 0.01 | -1.94 | 50.00 | AVRG |
| Chrysene | 1.2040000 | 1.2055252 | 0.01 | 0.13 | 50.00 | AVRG |
| Di-n-octylphthalate | 2.5580000 | 2.2914653 | 0.01 | -10.42 | 20.00 | AVRG |
| Benzo (b) fluoranthene | 1.7420000 | 1.7160254 | 0.01 | -1.49 | 50.00 | AVRG |
| Benzo (k) fluoranthene | 1.6930000 | 1.6860304 | 0.01 | -0.41 | 50.00 | AVRG |
| Benzo (a) pyrene | 1.5570000 | 1.5638276 | 0.01 | 0.44 | 20.00 | AVRG |
| Indeno (1,2,3-cd) pyrene | 1.5310000 | 1.6917409 | 0.01 | 10.50 | 50.00 | AVRG |
| Dibenzo (a,h) anthracene | 1.4120000 | 1.4888619 | 0.01 | 5.44 | 50.00 | AVRG |
| Benzo (g,h,i) perylene | 1.4410000 | 1.5126374 | 0.01 | 4.97 | 50.00 | AVRG |
| 2-Fluorophenol | 1.3700000 | 1.3651290 | 0.01 | -0.36 | 50.00 | AVRG |
| Phenol-d5 | 1.7810000 | 1.7513646 | 0.01 | -1.66 | 50.00 | AVRG |
| Nitrobenzene-d5 | 0.5380000 | 0.5222652 | 0.01 | -2.92 | 50.00 | AVRG |
| 2-Fluorobiphenyl | 1.5390000 | 1.5150621 | 0.01 | -1.56 | 50.00 | AVRG |
| 2,4,6-Tribromophenol | 0.4010000 | 0.4327378 | 0.01 | 7.91 | 50.00 | AVRG |
| Terphenyl-d14 | 1.0730000 | 1.0433728 | 0.01 | -2.76 | 50.00 | AVRG |

CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE SDG # T2812 PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS:

| | | | |
|--------------|-----------|---------|---------|
| ER-SS-010803 | GW-MW02-D | GW-MW07 | GW-MW11 |
| ER-SS-010903 | GW-MW03 | GW-MW08 | |
| GW-MW01 | GW-MW05 | GW-MW09 | |
| GW-MW02 | GW-MW06 | GW-MW10 | |

The 13 water samples listed above were received intact, properly refrigerated, with proper documentation, in sealed shipping containers, on January 8 through 15, 2003. The samples were scheduled for the requested analyses of the pesticide/PCB fractions. SW-846, 3rd Edition, Update 3, Separatory Funnel extraction (Method 3510C), and Method 8081A/8082 were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the SDG narrative deals with the pesticide/PCB fractions only. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # T2812 are included in the sample data sections.

Pesticides/PCBs

Extraction and analysis holding time requirements were met for all of these samples. There were no pesticide/PCB TCL analytes confirmed by dual column above the Quantitation Limit (QL) in any of these samples. Manual quantitations were performed on one or more of the process files associated with this SDG, including samples GW-MW02, GW-MW02-D, GW-MW03, GW-MW06, and GW-MW07. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

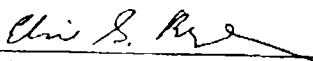
All QC criteria were met for all initial and continuing calibration standards associated to this SDG. All of the surrogates met recovery and retention time criteria in the analyses of these samples. However, the surrogates are flagged as outside retention time window on the Form VIII for the samples analyzed on January 10, 2003. The retention time window on the Form VIII is set from the initial calibration. When the window is set using the times from the daily calibration verification standard per method 8000B, all of the retention times are within the corrected window.

The associated method blanks met all quality control criteria.

Sample GW-MW11 was used as the original to prepare the duplicate matrix spikes. The recovery of the spike compound 4,4'-DDT was flagged as an outlier in the matrix spike duplicate. The Relative Percent Difference (RPD) of gamma-BHC (lindane) was flagged as an outlier in the comparison of the duplicate matrix spikes.

The associated Laboratory Control Samples (LCS) met all accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Elsie S. Byrd
Senior Scientist I
January 27, 2003

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/18/02 12/18/02

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | | |
|--|------------------|------------------|------------------|-----------|---|-----------|---|
| S1 : 21.27 | | | | TCX: 4.40 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT | # | TCX RT | # |
| ===== | ===== | ===== | ===== | ===== | | ===== | |
| 01 PEMXV | PEMXV | 12/18/02 | 1201 | 21.28 | | 4.41 | |
| 02 INDA1XV | INDA1XV | 12/18/02 | 1232 | 21.27 | | 4.40 | |
| 03 INDB1XV | INDB1XV | 12/18/02 | 1303 | 21.27 | | 4.41 | |
| 04 INDA2XV | INDA2XV | 12/18/02 | 1334 | 21.27 | | 4.40 | |
| 05 INDB2XV | INDB2XV | 12/18/02 | 1405 | 21.27 | | 4.41 | |
| 06 INDA3XV | INDA3XV | 12/18/02 | 1435 | 21.26 | | 4.40 | |
| 07 INDB3XV | INDB3XV | 12/18/02 | 1506 | 21.27 | | 4.41 | |
| 08 INDA4XV | INDA4XV | 12/18/02 | 1537 | 21.28 | | 4.41 | |
| 09 INDB4XV | INDB4XV | 12/18/02 | 1608 | 21.27 | | 4.40 | |
| 10 INDA5XV | INDA5XV | 12/18/02 | 1639 | 21.27 | | 4.40 | |
| 11 INDB5XV | INDB5XV | 12/18/02 | 1709 | 21.26 | | 4.40 | |
| 12 TOXAPH4XV | TOXAPH4XV | 12/18/02 | 1740 | 21.28 | | 4.41 | |
| 13 CHLORO4XV | CHLORO4XV | 12/18/02 | 1811 | 21.26 | | 4.40 | |
| 14 AR16601XV | AR16601XV | 12/18/02 | 1842 | 21.26 | | 4.40 | |
| 15 AR16602XV | AR16602XV | 12/18/02 | 1913 | 21.26 | | 4.40 | |
| 16 AR16603XV | AR16603XV | 12/18/02 | 1944 | 21.27 | | 4.40 | |
| 17 AR16604XV | AR16604XV | 12/18/02 | 2015 | 21.26 | | 4.40 | |
| 18 AR16605XV | AR16605XV | 12/18/02 | 2045 | 21.27 | | 4.40 | |
| 19 AR12214XV | AR12214XV | 12/18/02 | 2116 | 21.25 | | 4.40 | |
| 20 AR12324XV | AR12324XV | 12/18/02 | 2147 | 21.26 | | 4.40 | |
| 21 AR12424XV | AR12424XV | 12/18/02 | 2218 | 21.25 | | 4.39 | |
| 22 AR12484XV | AR12484XV | 12/18/02 | 2249 | 21.26 | | 4.40 | |
| 23 AR12544XV | AR12544XV | 12/18/02 | 2320 | 21.27 | | 4.40 | |
| 24 PIBLK3C | PIBLK3C | 01/09/03 | 2257 | 21.18* | | 4.34 | |
| 25 AR16603D | AR16603D | 01/10/03 | 0024 | 21.18* | | 4.34 | |
| 26 INDAM3D | INDAM3D | 01/10/03 | 0102 | 21.17* | | 4.34 | |
| 27 INDBM3D | INDBM3D | 01/10/03 | 0133 | 21.18* | | 4.34 | |
| 28 PEM3D | PEM3D | 01/10/03 | 0204 | 21.16* | | 4.33 | |
| 29 PBLKIK | WG22352-1 | 01/10/03 | 0235 | 21.17* | | 4.33 | |
| 30 PLCSIK | WG22352-2 | 01/10/03 | 0306 | 21.16* | | 4.34 | |
| 31 PCBLCSIK | WG22352-3 | 01/10/03 | 0337 | 21.17* | | 4.34 | |
| 32 GW-MW01 | T2812-1 | 01/10/03 | 0408 | 21.18* | | 4.34 | |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

3/27/03
2

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 12/18/02 12/18/02

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 21.27 | | TCX: 4.40 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | GW-MW02 | T2812-2 | 01/10/03 | 0439 | 21.17* |
| 02 | GW-MW02-D | T2812-3 | 01/10/03 | 0510 | 21.19* |
| 03 | GW-MW08 | T2812-4 | 01/10/03 | 0541 | 21.18* |
| 04 | PIBLK3E | PIBLK3E | 01/10/03 | 0643 | 21.18* |
| 05 | AR16603F | AR16603F | 01/10/03 | 0714 | 21.18* |
| 06 | INDAM3F | INDAM3F | 01/10/03 | 0745 | 21.18* |
| 07 | INDBM3F | INDBM3F | 01/10/03 | 0816 | 21.20* |
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QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 12/18/02 12/18/02

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 24.70 | | | TCX: 5.59 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | PEMXV | 12/18/02 | 1201 | 24.70 | 5.60 |
| 02 | INDA1XV | 12/18/02 | 1232 | 24.68 | 5.59 |
| 03 | INDB1XV | 12/18/02 | 1303 | 24.69 | 5.60 |
| 04 | INDA2XV | 12/18/02 | 1334 | 24.68 | 5.59 |
| 05 | INDB2XV | 12/18/02 | 1405 | 24.69 | 5.60 |
| 06 | INDA3XV | 12/18/02 | 1435 | 24.68 | 5.59 |
| 07 | INDB3XV | 12/18/02 | 1506 | 24.69 | 5.60 |
| 08 | INDA4XV | 12/18/02 | 1537 | 24.70 | 5.60 |
| 09 | INDB4XV | 12/18/02 | 1608 | 24.68 | 5.59 |
| 10 | INDA5XV | 12/18/02 | 1639 | 24.70 | 5.59 |
| 11 | INDB5XV | 12/18/02 | 1709 | 24.68 | 5.59 |
| 12 | TOXAPH4XV | 12/18/02 | 1740 | 24.70 | 5.60 |
| 13 | CHLORO4XV | 12/18/02 | 1811 | 24.68 | 5.59 |
| 14 | AR16601XV | 12/18/02 | 1842 | 24.68 | 5.59 |
| 15 | AR16602XV | 12/18/02 | 1913 | 24.68 | 5.59 |
| 16 | AR16603XV | 12/18/02 | 1944 | 24.69 | 5.59 |
| 17 | AR16604XV | 12/18/02 | 2015 | 24.68 | 5.59 |
| 18 | AR16605XV | 12/18/02 | 2045 | 24.69 | 5.59 |
| 19 | AR12214XV | 12/18/02 | 2116 | 24.68 | 5.59 |
| 20 | AR12324XV | 12/18/02 | 2147 | 24.68 | 5.59 |
| 21 | AR12424XV | 12/18/02 | 2218 | 24.67 | 5.58 |
| 22 | AR12484XV | 12/18/02 | 2249 | 24.68 | 5.59 |
| 23 | AR12544XV | 12/18/02 | 2320 | 24.69 | 5.59 |
| 24 | PIBLK3D | 01/09/03 | 2257 | 24.55* | 5.51* |
| 25 | AR16603D | 01/10/03 | 0024 | 24.54* | 5.51* |
| 26 | INDAM3D | 01/10/03 | 0102 | 24.54* | 5.51* |
| 27 | INDBM3D | 01/10/03 | 0133 | 24.55* | 5.51* |
| 28 | PEM3D | 01/10/03 | 0204 | 24.53* | 5.50* |
| 29 | PBLKIK | 01/10/03 | 0235 | 24.54* | 5.50* |
| 30 | PLCSIK | 01/10/03 | 0306 | 24.53* | 5.51* |
| 31 | PCBLCSIK | 01/10/03 | 0337 | 24.54* | 5.51* |
| 32 | GW-MW01 | 01/10/03 | 0408 | 24.55* | 5.51* |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST2

ID: 0.53

(mm)

Init. Calib. Date(s): 12/18/02 12/18/02

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 24.70 | | | TCX: 5.59 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | GW-MW02 | T2812-2 | 01/10/03 | 0439 | 24.54* |
| 02 | GW-MW02-D | T2812-3 | 01/10/03 | 0510 | 24.56* |
| 03 | GW-MW08 | T2812-4 | 01/10/03 | 0541 | 24.55* |
| 04 | PIBLK3F | PIBLK3F | 01/10/03 | 0643 | 24.55* |
| 05 | AR16603F | AR16603F | 01/10/03 | 0714 | 24.55* |
| 06 | INDAM3F | INDAM3F | 01/10/03 | 0745 | 24.55* |
| 07 | INDBM3F | INDBM3F | 01/10/03 | 0816 | 24.58* |
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QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES))
 TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 01/10/03 01/11/03

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 21.22 | | | TCX: 4.37 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | PEM3M | 01/10/03 | 2235 | 21.21 | 4.36 |
| 02 | INDA13M | 01/10/03 | 2306 | 21.21 | 4.36 |
| 03 | INDB13M | 01/10/03 | 2337 | 21.21 | 4.37 |
| 04 | INDA23M | 01/11/03 | 0008 | 21.20 | 4.36 |
| 05 | INDB23M | 01/11/03 | 0039 | 21.21 | 4.36 |
| 06 | INDA33M | 01/11/03 | 0111 | 21.21 | 4.36 |
| 07 | INDB33M | 01/11/03 | 0142 | 21.22 | 4.37 |
| 08 | INDA43M | 01/11/03 | 0213 | 21.21 | 4.37 |
| 09 | INDB43M | 01/11/03 | 0244 | 21.20 | 4.37 |
| 10 | INDA53M | 01/11/03 | 0315 | 21.22 | 4.37 |
| 11 | INDB53M | 01/11/03 | 0346 | 21.21 | 4.37 |
| 12 | TOXAPH43M | 01/11/03 | 0417 | 21.21 | 4.37 |
| 13 | CHLORO43M | 01/11/03 | 0448 | 21.21 | 4.37 |
| 14 | AR166013M | 01/11/03 | 0519 | 21.23 | 4.37 |
| 15 | AR166023M | 01/11/03 | 0550 | 21.21 | 4.37 |
| 16 | AR166033M | 01/11/03 | 0621 | 21.23 | 4.38 |
| 17 | AR166043M | 01/11/03 | 0652 | 21.22 | 4.37 |
| 18 | AR166053M | 01/11/03 | 0723 | 21.23 | 4.38 |
| 19 | AR122143M | 01/11/03 | 0754 | 21.22 | 4.37 |
| 20 | AR123243M | 01/11/03 | 0826 | 21.23 | 4.38 |
| 21 | AR124243M | 01/11/03 | 0857 | 21.22 | 4.37 |
| 22 | AR124843M | 01/11/03 | 0928 | 21.23 | 4.38 |
| 23 | AR125443M | 01/11/03 | 0959 | 21.23 | 4.38 |
| 24 | PIBLK3O | 01/13/03 | 1227 | 21.22 | 4.37 |
| 25 | AR16603P | 01/13/03 | 1258 | 21.23 | 4.37 |
| 26 | INDAM3P | 01/13/03 | 1329 | 21.22 | 4.37 |
| 27 | INDBM3P | 01/13/03 | 1400 | 21.23 | 4.37 |
| 28 | PEM3P | 01/13/03 | 1431 | 21.20 | 4.37 |
| 29 | PBLKIQ | 01/13/03 | 1538 | 21.21 | 4.38 |
| 30 | PLCSIQ | 01/13/03 | 1606 | 21.21 | 4.36 |
| 31 | PCBLCSIQ | 01/13/03 | 1637 | 21.22 | 4.37 |
| 32 | GW-MW11MS | 01/13/03 | 1708 | 21.21 | 4.37 |

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
 TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST

ID: 0.53 (mm) Init. Calib. Date(s): 01/10/03 01/11/03

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | | | |
|--|------------------|------------------|------------------|-----------|-------|-----------|---|
| S1 : 21.22 | | | | TCX: 4.37 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT | # | TCX RT | # |
| 01 | GW-MW11MSD | WG22370-5 | 01/13/03 | 1739 | 21.23 | 4.37 | |
| 02 | GW-MW11PCBMS | WG22370-6 | 01/13/03 | 1810 | 21.22 | 4.37 | |
| 03 | GW-MW11PCBMS | WG22370-7 | 01/13/03 | 1841 | 21.22 | 4.37 | |
| 04 | GW-MW10 | T2812-6 | 01/13/03 | 1912 | 21.21 | 4.37 | |
| 05 | GW-MW11 | T2812-7 | 01/13/03 | 1943 | 21.22 | 4.37 | |
| 06 | GW-MW07 | T2812-8 | 01/13/03 | 2015 | 21.23 | 4.38 | |
| 07 | PIBLK3Q | PIBLK3Q | 01/13/03 | 2117 | 21.23 | 4.38 | |
| 08 | AR16603R | AR16603R | 01/13/03 | 2148 | 21.22 | 4.37 | |
| 09 | INDAM3R | INDAM3R | 01/13/03 | 2219 | 21.23 | 4.38 | |
| 10 | INDBM3R | INDBM3R | 01/13/03 | 2250 | 21.22 | 4.37 | |
| 11 | ER-SS-010803 | T2812-9 | 01/13/03 | 2321 | 21.22 | 4.37 | |
| 12 | PIBLK3S | PIBLK3S | 01/14/03 | 0432 | 21.23 | 4.38 | |
| 13 | AR16603T | AR16603T | 01/14/03 | 0503 | 21.23 | 4.38 | |
| 14 | INDAM3T | INDAM3T | 01/14/03 | 0534 | 21.23 | 4.37 | |
| 15 | INDBM3T | INDBM3T | 01/14/03 | 0605 | 21.23 | 4.38 | |
| 16 | PEM3T | PEM3T | 01/14/03 | 0636 | 21.23 | 4.38 | |
| 17 | PBLKIW | WG22378-1 | 01/14/03 | 0707 | 21.23 | 4.38 | |
| 18 | PLCSIW | WG22378-2 | 01/14/03 | 0738 | 21.23 | 4.38 | |
| 19 | PCBLCSIW | WG22378-3 | 01/14/03 | 0809 | 21.22 | 4.38 | |
| 20 | GW-MW09 | T2812-11 | 01/14/03 | 0840 | 21.22 | 4.37 | |
| 21 | GW-MW05 | T2812-12 | 01/14/03 | 0911 | 21.23 | 4.38 | |
| 22 | GW-MW06 | T2812-13 | 01/14/03 | 0942 | 21.22 | 4.38 | |
| 23 | ER-SS-010903 | T2812-14 | 01/14/03 | 1013 | 21.23 | 4.38 | |
| 24 | PIBLK3U | PIBLK3U | 01/14/03 | 1115 | 21.22 | 4.37 | |
| 25 | AR16603V | AR16603V | 01/14/03 | 1146 | 21.23 | 4.38 | |
| 26 | INDAM3V | INDAM3V | 01/14/03 | 1217 | 21.22 | 4.37 | |
| 27 | INDBM3V | INDBM3V | 01/14/03 | 1248 | 21.23 | 4.37 | |
| 28 | PIBLK4I | PIBLK4I | 01/20/03 | 0853 | 21.20 | 4.35 | |
| 29 | AR16604J | AR16604J | 01/20/03 | 0924 | 21.21 | 4.36 | |
| 30 | INDAM4J | INDAM4J | 01/20/03 | 0955 | 21.20 | 4.36 | |
| 31 | INDBM4J | INDBM4J | 01/20/03 | 1026 | 21.21 | 4.36 | |
| 32 | PEM4J | PEM4J | 01/20/03 | 1058 | 21.20 | 4.36 | |

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST

ID: 0.53

(mm)

Init. Calib. Date(s): 01/10/03 01/11/03

Instrument ID: VARIAN34

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 21.22 | | | TCX: 4.37 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | PBLKKF | WG22473-1 | 01/20/03 1142 | 21.20 | 4.37 |
| 02 | PLCSKF | WG22473-2 | 01/20/03 1210 | 21.20 | 4.35 |
| 03 | PCBLCSKF | WG22473-3 | 01/20/03 1241 | 21.20 | 4.36 |
| 04 | GW-MW03 | T2812-16 | 01/20/03 1312 | 21.19 | 4.35 |
| 05 | PIBLK4K | PIBLK4K | 01/20/03 1414 | 21.19 | 4.35 |
| 06 | AR16604L | AR16604L | 01/20/03 1445 | 21.20 | 4.35 |
| 07 | INDAM4L | INDAM4L | 01/20/03 1517 | 21.19 | 4.36 |
| 08 | INDBM4L | INDBM4L | 01/20/03 1548 | 21.20 | 4.35 |
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S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
 TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 01/10/03 01/11/03

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 24.59 | | | TCX: 5.55 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 PEM3M | PEM3M | 01/10/03 | 2235 | 24.59 | 5.54 |
| 02 INDA13M | INDA13M | 01/10/03 | 2306 | 24.59 | 5.53 |
| 03 INDB13M | INDB13M | 01/10/03 | 2337 | 24.60 | 5.54 |
| 04 INDA23M | INDA23M | 01/11/03 | 0008 | 24.59 | 5.53 |
| 05 INDB23M | INDB23M | 01/11/03 | 0039 | 24.59 | 5.54 |
| 06 INDA33M | INDA33M | 01/11/03 | 0111 | 24.59 | 5.53 |
| 07 INDB33M | INDB33M | 01/11/03 | 0142 | 24.60 | 5.54 |
| 08 INDA43M | INDA43M | 01/11/03 | 0213 | 24.59 | 5.54 |
| 09 INDB43M | INDB43M | 01/11/03 | 0244 | 24.58 | 5.54 |
| 10 INDA53M | INDA53M | 01/11/03 | 0315 | 24.59 | 5.55 |
| 11 INDB53M | INDB53M | 01/11/03 | 0346 | 24.59 | 5.54 |
| 12 TOXAPH43M | TOXAPH43M | 01/11/03 | 0417 | 24.59 | 5.54 |
| 13 CHLORO43M | CHLORO43M | 01/11/03 | 0448 | 24.59 | 5.54 |
| 14 AR166013M | AR166013M | 01/11/03 | 0519 | 24.61 | 5.55 |
| 15 AR166023M | AR166023M | 01/11/03 | 0550 | 24.60 | 5.54 |
| 16 AR166033M | AR166033M | 01/11/03 | 0621 | 24.61 | 5.55 |
| 17 AR166043M | AR166043M | 01/11/03 | 0652 | 24.60 | 5.55 |
| 18 AR166053M | AR166053M | 01/11/03 | 0723 | 24.62 | 5.55 |
| 19 AR122143M | AR122143M | 01/11/03 | 0754 | 24.60 | 5.54 |
| 20 AR123243M | AR123243M | 01/11/03 | 0826 | 24.61 | 5.55 |
| 21 AR124243M | AR124243M | 01/11/03 | 0857 | 24.60 | 5.55 |
| 22 AR124843M | AR124843M | 01/11/03 | 0928 | 24.61 | 5.55 |
| 23 AR125443M | AR125443M | 01/11/03 | 0959 | 24.62 | 5.55 |
| 24 PIBLK3P | PIBLK3P | 01/13/03 | 1227 | 24.60 | 5.54 |
| 25 AR16603P | AR16603P | 01/13/03 | 1258 | 24.61 | 5.55 |
| 26 INDAM3P | INDAM3P | 01/13/03 | 1329 | 24.60 | 5.54 |
| 27 INDBM3P | INDBM3P | 01/13/03 | 1400 | 24.61 | 5.55 |
| 28 PEM3P | PEM3P | 01/13/03 | 1431 | 24.57 | 5.54 |
| 29 PBLKIQ | WG22370-1 | 01/13/03 | 1538 | 24.59 | 5.54 |
| 30 PLCSIQ | WG22370-2 | 01/13/03 | 1606 | 24.59 | 5.54 |
| 31 PCBLCSIQ | WG22370-3 | 01/13/03 | 1637 | 24.61 | 5.54 |
| 32 GW-MW11MS | WG22370-4 | 01/13/03 | 1708 | 24.60 | 5.54 |

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST2 ID: 0.53 (mm) Init. Calib. Date(s): 01/10/03 01/11/03

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 24.59 | | TCX: 5.55 | | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | GW-MW11MSD | WG22370-5 | 01/13/03 1739 | 24.61 | 5.55 |
| 02 | GW-MW11PCBMS | WG22370-6 | 01/13/03 1810 | 24.60 | 5.54 |
| 03 | GW-MW11PCBMS | WG22370-7 | 01/13/03 1841 | 24.61 | 5.54 |
| 04 | GW-MW10 | T2812-6 | 01/13/03 1912 | 24.60 | 5.54 |
| 05 | GW-MW11 | T2812-7 | 01/13/03 1943 | 24.60 | 5.54 |
| 06 | GW-MW07 | T2812-8 | 01/13/03 2015 | 24.61 | 5.55 |
| 07 | PIBLK3R | PIBLK3R | 01/13/03 2117 | 24.61 | 5.55 |
| 08 | AR16603R | AR16603R | 01/13/03 2148 | 24.61 | 5.55 |
| 09 | INDAM3R | INDAM3R | 01/13/03 2219 | 24.61 | 5.55 |
| 10 | INDBM3R | INDBM3R | 01/13/03 2250 | 24.61 | 5.55 |
| 11 | ER-SS-010803 | T2812-9 | 01/13/03 2321 | 24.61 | 5.55 |
| 12 | PIBLK3T | PIBLK3T | 01/14/03 0432 | 24.61 | 5.55 |
| 13 | AR16603T | AR16603T | 01/14/03 0503 | 24.62 | 5.55 |
| 14 | INDAM3T | INDAM3T | 01/14/03 0534 | 24.61 | 5.55 |
| 15 | INDBM3T | INDBM3T | 01/14/03 0605 | 24.62 | 5.56 |
| 16 | PEM3T | PEM3T | 01/14/03 0636 | 24.61 | 5.55 |
| 17 | PBLKIW | WG22378-1 | 01/14/03 0707 | 24.61 | 5.55 |
| 18 | PLCSIW | WG22378-2 | 01/14/03 0738 | 24.61 | 5.55 |
| 19 | PCBLCSIW | WG22378-3 | 01/14/03 0809 | 24.60 | 5.55 |
| 20 | GW-MW09 | T2812-11 | 01/14/03 0840 | 24.61 | 5.55 |
| 21 | GW-MW05 | T2812-12 | 01/14/03 0911 | 24.61 | 5.55 |
| 22 | GW-MW06 | T2812-13 | 01/14/03 0942 | 24.61 | 5.55 |
| 23 | ER-SS-010903 | T2812-14 | 01/14/03 1013 | 24.61 | 5.55 |
| 24 | PIBLK3V | PIBLK3V | 01/14/03 1115 | 24.61 | 5.55 |
| 25 | AR16603V | AR16603V | 01/14/03 1146 | 24.61 | 5.55 |
| 26 | INDAM3V | INDAM3V | 01/14/03 1217 | 24.60 | 5.55 |
| 27 | INDBM3V | INDBM3V | 01/14/03 1248 | 24.61 | 5.55 |
| 28 | PIBLK4J | PIBLK4J | | | |
| IBL 01/20/03 0853 | 24.58 | 5.53 | | | |
| 29 | AR16604J | AR16604J | 01/20/03 0924 | 24.59 | 5.53 |
| 30 | INDAM4J | INDAM4J | 01/20/03 0955 | 24.58 | 5.53 |
| 31 | INDBM4J | INDBM4J | 01/20/03 1026 | 24.59 | 5.53 |
| 32 | PEM4J | PEM4J | 01/20/03 1058 | 24.58 | 5.53 |

QC LIMITS

S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM

Contract: 8081A

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: T2812

GC Column: CLPEST2

ID: 0.53

(mm)

Init. Calib. Date(s): 01/10/03 01/11/03

Instrument ID: VARIAN35

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

| MEAN SURROGATE RT FROM INITIAL CALIBRATION | | | | | |
|--|------------------|------------------|------------------|------------|-------------|
| S1 : 24.59 | | | TCX: 5.55 | | |
| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | S1 RT # | TCX RT # |
| 01 | PBLKKF | WG22473-1 | 01/20/03 | 1142 | 24.58 |
| 02 | PLCSKF | WG22473-2 | 01/20/03 | 1210 | 24.57 |
| 03 | PCBLCSKF | WG22473-3 | 01/20/03 | 1241 | 24.59 |
| 04 | GW-MW03 | T2812-16 | 01/20/03 | 1312 | 24.57 |
| 05 | PIBLK4L | PIBLK4L | 01/20/03 | 1414 | 24.57 |
| 06 | AR16604L | AR16604L | 01/20/03 | 1445 | 24.58 |
| 07 | INDAM4L | INDAM4L | 01/20/03 | 1517 | 24.57 |
| 08 | INDBM4L | INDBM4L | 01/20/03 | 1548 | 24.58 |
| 09 | | | | | |
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S1 = Decachlorobiphenyl (DC (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

CompuChem

a Division of Liberty Analytical Corp.

501 Madison Avenue Cary, NC 27513

SDG NARRATIVE

SDG # T2812

CONTRACT # SW846

The indicated Sample Delivery Group (SDG) consisting of thirteen (13) water samples was received into the laboratory information management system (LIMS) on January 8, 9, 10, 15, 2003 intact and in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were analyzed, in accordance with SW846 Statement of Work (SOW) update III for the metallic TAL list.

SAMPLE IDs:

The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCSW & PBW) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, WG22521-1 (GW-MW11S) was found to be inside control limits for all requested analytes. The sample matrix spike duplicate, WG22521-2 (GW-MW11SD) was found to be inside control limits for all requested analytes.

SW-846 control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more; in this case effected analytes are not flagged even if recoveries fall outside percentage recovery control limits.

The sample matrix duplicate, WG22521-3 (GW-MW11D) was outside control limits for zinc. The form 1 and form 6 are flagged with a "*" to indicate ~~serial dilution~~ results which were outside control limits.

A "*" indicates a non-homogeneous sample matrix in regard to the flagged analyte. This is normally the consequence of a relatively coarse texture or of a mixed-matrix in sediment samples.

SW846 control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.


A five-fold serial dilution of sample, T2812-7 (GW-MW1 IL) was performed in accordance with requirements for ICP analysis.

The adjusted sample concentrations were outside control limits for barium which is flagged with an "E" on all associated form 1, the cover page, and form 9.

An "E" indicates that a chemical or physical interference effect was encountered during the analysis of the flagged analyte. As a result of this interference, all values for the analyte in the same matrix must be considered to be estimated quantities.

SW-846 control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.


Mary K. Powell
Data Reviewer II
January 27, 2003

SW846 METALS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: T2812AA CRDL Standard Source: HIPURICP CRDL Standard Source: HIPUR

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | | |
|-----------|------|-------|-------|-----------------------|------------------|---------------|----------------|-------------|--|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R | |
| Aluminum | | | | 100.0 | 108.29 | 108.3 | | | |
| Antimony | | | | 10.0 | 9.87 | 98.7 | | | |
| Arsenic | | | | 10.0 | 12.13 | 121.3 | | | |
| Barium | | | | 10.0 | 10.51 | 105.1 | | | |
| Beryllium | | | | 5.0 | 5.07 | 101.4 | | | |
| Cadmium | | | | 5.0 | 5.24 | 104.8 | | | |
| Calcium | | | | 1000.0 | 1029.82 | 103.0 | | | |
| Chromium | | | | 5.0 | 4.96 | 99.2 | | | |
| Cobalt | | | | 5.0 | 4.64 | 92.8 | | | |
| Copper | | | | 5.0 | 3.08 | 61.6 | | | |
| Iron | | | | 100.0 | 95.76 | 95.8 | | | |
| Lead | | | | 3.0 | 3.72 | 124.0 | | | |
| Magnesium | | | | 1000.0 | 990.24 | 99.0 | | | |
| Manganese | | | | 10.0 | 9.93 | 99.3 | | | |
| Mercury | 0.2 | 0.27 | 135.0 | | | | | | |
| Nickel | | | | 5.0 | 4.84 | 96.8 | | | |
| Potassium | | | | 1000.0 | 1133.54 | 113.4 | | | |
| Selenium | | | | 5.0 | 8.19 | 163.8 | | | |
| Silver | | | | 5.0 | 4.64 | 92.8 | | | |
| Sodium | | | | 2000.0 | 1547.95 | 77.4 | | | |
| Thallium | | | | 10.0 | 9.95 | 99.5 | | | |
| Vanadium | | | | 20.0 | 19.16 | 95.8 | | | |
| Zinc | | | | 20.0 | 19.81 | 99.0 | | | |

Control Limits: no limits have been established by EPA at this time

SW846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: T2812
 Preparation Blank Matrix (soil/water): WATER
 Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | M |
|-----------|--------------------------------------|---|--|---|-------|---|-------|---|----------------------|---|----|
| | | | 1 | C | 2 | C | 3 | C | | C | |
| Aluminum | 11.8 | U | 14.1 | B | 11.8 | U | 11.8 | U | 11.800 | U | P |
| Antimony | 2.3 | U | 2.3 | U | 2.3 | U | 2.3 | U | 2.300 | U | P |
| Arsenic | 3.9 | B | 3.7 | U | 3.7 | U | 4.2 | B | 3.700 | U | P |
| Barium | 0.4 | B | 0.5 | B | 0.5 | B | 0.4 | B | 0.498 | B | P |
| Beryllium | 0.2 | U | 0.2 | U | 0.2 | U | 0.2 | U | 0.200 | U | P |
| Cadmium | 0.4 | U | 0.4 | U | 0.4 | U | 0.4 | U | 0.400 | U | P |
| Calcium | 7.9 | U | 13.1 | B | 7.9 | U | 7.9 | U | 7.900 | U | P |
| Chromium | 0.6 | U | 0.6 | U | 0.6 | U | 0.6 | U | 0.600 | U | P |
| Cobalt | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U | 0.500 | U | P |
| Copper | 1.5 | U | 1.5 | U | 1.5 | U | 1.5 | U | 1.500 | U | P |
| Iron | 8.7 | U | 8.7 | U | 8.7 | U | 8.7 | U | 8.700 | U | P |
| Lead | 1.1 | U | 1.3 | B | 1.1 | U | 1.1 | U | 1.100 | U | P |
| Magnesium | 62.8 | B | 76.6 | B | 62.6 | B | 62.3 | B | 68.315 | B | P |
| Manganese | 0.2 | U | 0.2 | U | 0.2 | U | 0.2 | U | 0.200 | U | P |
| Mercury | 0.1 | U | 0.1 | U | 0.1 | U | 0.1 | U | 0.112 | B | CV |
| Nickel | 1.0 | U | 1.0 | U | 1.0 | U | 1.0 | U | 1.000 | U | P |
| Potassium | 74.8 | B | 79.1 | B | 102.2 | B | 182.1 | B | 68.400 | U | P |
| Selenium | 2.6 | U | 2.6 | U | 2.6 | U | 2.6 | U | 2.600 | U | P |
| Silver | 0.7 | U | 0.7 | U | 0.7 | U | 0.7 | U | 0.700 | U | P |
| Sodium | 99.3 | U | -111.2 | B | 99.3 | U | 99.3 | U | 99.300 | U | P |
| Thallium | 4.4 | U | 4.4 | U | 4.4 | U | 4.4 | U | 4.400 | U | P |
| Vanadium | 0.4 | U | 0.4 | U | 0.4 | U | 0.4 | U | 0.400 | U | P |
| Zinc | 1.0 | U | 1.0 | U | 1.0 | U | 1.0 | U | 1.229 | B | P |

SW846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: T2812Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|-----------|--------------------------------------|---|--|---|-----|---|-----|---|----------------------|---|----|
| | | | 4 | C | 15 | C | 16 | C | | | |
| Aluminum | | | 11.8 | U | | | | | | | P |
| Antimony | | | 2.3 | U | | | | | | | P |
| Arsenic | | | 3.7 | U | | | | | | | P |
| Barium | | | 0.4 | B | | | | | | | P |
| Beryllium | | | 0.2 | U | | | | | | | P |
| Cadmium | | | 0.4 | U | | | | | | | P |
| Calcium | | | 7.9 | U | | | | | | | P |
| Chromium | | | 0.6 | U | | | | | | | P |
| Cobalt | | | 0.5 | U | | | | | | | P |
| Copper | | | 1.5 | U | | | | | | | P |
| Iron | | | 8.7 | U | | | | | | | P |
| Lead | | | 1.1 | U | | | | | | | P |
| Magnesium | | | 61.8 | B | | | | | | | P |
| Manganese | | | 0.2 | U | | | | | | | P |
| Mercury | | | 0.1 | B | 0.1 | B | 0.1 | B | | | CV |
| Nickel | | | 1.0 | U | | | | | | | P |
| Potassium | | | 183.3 | B | | | | | | | P |
| Selenium | | | 2.6 | U | | | | | | | P |
| Silver | | | 0.7 | U | | | | | | | P |
| Sodium | | | 99.3 | U | | | | | | | P |
| Thallium | | | 4.4 | U | | | | | | | P |
| Vanadium | | | 0.4 | U | | | | | | | P |
| Zinc | | | 1.0 | U | | | | | | | P |

SW846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: T2812

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | Preparation Blank | M |
|---------|--------------------------------------|--|-------|-------|---|----------------------|----|
| | | C | C | C | C | C | |
| Mercury | | | 0.1 U | 0.1 U | | | CV |

SW846 METALS

6

DUPLICATES

SAMPLE NO.

GW-MW11D

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: T2812Matrix (soil/water): WATER Level (low/med): LOW% Solids for Sample: 0.0 % Solids for Duplicate: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|-----------|---------------|------------|---|---------------|---|-------|---|----|
| Aluminum | 100.0 | 167.6799 | | 176.9286 | | 5.4 | | P |
| Antimony | | 4.5761 | B | 3.0762 | B | 39.2 | | P |
| Arsenic | | 4.7878 | B | 3.7000 | U | 200.0 | | P |
| Barium | 10.0 | 13.0914 | | 12.9325 | | 1.2 | | P |
| Beryllium | | 0.2000 | U | 0.2000 | U | | | P |
| Cadmium | | 0.4000 | U | 0.4000 | U | | | P |
| Calcium | | 23955.1895 | | 23724.9004 | | 1.0 | | P |
| Chromium | | 2.1911 | B | 2.1898 | B | 0.1 | | P |
| Cobalt | | 0.5000 | U | 0.5000 | U | | | P |
| Copper | | 1.5000 | U | 1.9616 | B | 200.0 | | F |
| Iron | | 5128.3569 | | 5171.8521 | | 0.8 | | P |
| Lead | | 1.1000 | U | 1.9749 | B | 200.0 | | P |
| Magnesium | 1000.0 | 2970.2439 | | 2943.1299 | | 0.9 | | P |
| Manganese | | 164.6482 | | 163.0096 | | 1.0 | | P |
| Mercury | | 0.1000 | U | 0.1203 | B | 200.0 | | CV |
| Nickel | | 1.0000 | U | 1.0000 | U | | | P |
| Potassium | 1000.0 | 2265.8760 | | 2272.4089 | | 0.3 | | P |
| Selenium | | 3.5084 | B | 3.2860 | B | 6.5 | | P |
| Silver | | 0.7000 | U | 0.7000 | U | | | P |
| Sodium | 2000.0 | 4008.1709 | | 4028.3711 | | 0.5 | | P |
| Thallium | | 4.4000 | U | 4.4000 | U | | | P |
| Vanadium | | 2.3270 | B | 2.1870 | B | 6.2 | | P |
| Zinc | 20.0 | 6.7726 | B | 36.1501 | | 136.9 | * | P |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Instrument ID Number: V3Method: CVStart Date: 1/23/03End Date: 1/23/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | C F | P B | M G | M N | H G | N I | K E | S E | A G | A L | T V | Z N |
| S0 | 1.00 | 1129 | | | | | | | | | | | | | | | | X | | | | | | | |
| S0.2 | 1.00 | 1131 | | | | | | | | | | | | | | | | X | | | | | | | |
| S0.5 | 1.00 | 1133 | | | | | | | | | | | | | | | | X | | | | | | | |
| S1 | 1.00 | 1135 | | | | | | | | | | | | | | | | X | | | | | | | |
| S5 | 1.00 | 1138 | | | | | | | | | | | | | | | | X | | | | | | | |
| S10 | 1.00 | 1140 | | | | | | | | | | | | | | | | X | | | | | | | |
| ICV | 1.00 | 1143 | | | | | | | | | | | | | | | | X | | | | | | | |
| ICB | 1.00 | 1145 | | | | | | | | | | | | | | | | X | | | | | | | |
| CRA | 1.00 | 1147 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCV | 1.00 | 1149 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1152 | | | | | | | | | | | | | | | | X | | | | | | | |
| ZZZZZZ | 1.00 | 1154 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1156 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1159 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1201 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1203 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1205 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1207 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1210 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1212 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1214 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1216 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1219 | | | | | | | | | | | | | | | | X | | | | | | | |
| ZZZZZZ | 1.00 | 1221 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1223 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1225 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1227 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1230 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1232 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1234 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1236 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1236 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1241 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1243 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1245 | | | | | | | | | | | | | | | | X | | | | | | | |
| ZZZZZZ | 1.00 | 1247 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1250 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1252 | | | | | | | | | | | | | | | | | | | | | | | |

39

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Instrument ID Number: V3Method: CVStart Date: 1/23/03End Date: 1/23/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A L | N T | T V | Z N | C N | |
| ZZZZZZ | 1.00 | 1254 | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBW | 1.00 | 1256 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| LCSW | 1.00 | 1259 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW11 | 1.00 | 1301 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW11D | 1.00 | 1303 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW11S | 1.00 | 1305 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW11SD | 1.00 | 1307 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| CCV | 1.00 | 1310 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| CCB | 1.00 | 1312 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1314 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1316 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GW-MW02-D | 1.00 | 1319 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW08 | 1.00 | 1321 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW10 | 1.00 | 1323 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW07 | 1.00 | 1325 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| ER-SS-010803 | 1.00 | 1327 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW09 | 1.00 | 1330 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW05 | 1.00 | 1332 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW06 | 1.00 | 1334 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| CCV | 1.00 | 1336 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| CCB | 1.00 | 1339 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| ER-SS-010903 | 1.00 | 1341 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| GW-MW03 | 1.00 | 1343 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1345 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1348 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1350 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1352 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1354 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1357 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1359 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1401 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1403 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| CCB | 1.00 | 1406 | | | | | | | | | | | | | | | X | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1408 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1410 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1412 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1415 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1417 | | | | | | | | | | | | | | | | | | | | | | | | | |

40

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Instrument ID Number: V3Method: CVStart Date: 1/23/03End Date: 1/23/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| | | | | A | S | A | B | B | C | C | C | C | C | F | P | M | M | H | N | K | S | A | N | T | V | Z | C | | |
| ZZZZZZ | 1.00 | 1419 | | L | B | S | A | E | D | A | R | O | U | E | B | G | N | G | I | E | G | A | L | N | N | | | | |
| ZZZZZZ | 1.00 | 1422 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1424 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1426 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1428 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1431 | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| CCB | 1.00 | 1433 | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| GW-MW01 | 1.00 | 1435 | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| GW-MW02 | 1.00 | 1437 | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1440 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1442 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1444 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1447 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1449 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1451 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1453 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1456 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1458 | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| CCB | 1.00 | 1500 | | | | | | | | | | | | | | | | X | | | | | | | | | | | |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Instrument ID Number: P4Method: PStart Date: 1/24/03End Date: 1/24/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A L | N T | V L | Z N | C N | | | | | |
| SO | 1.00 | 1057 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | |
| S | 1.00 | 1105 | | | | | | | X | | X | | X | | | | X | | X | X | | X | | | X | | | | | | |
| S | 1.00 | 1113 | | X | | | | | X | | | | X | X | | | | | | | | | | | | | | | | | |
| S | 1.00 | 1119 | | | | X | X | X | | | X | | | | X | | | | | | | | X | | | | | | | | |
| S | 1.00 | 1125 | | | | | | | | | | | | | | | | X | | | X | | | | | | | | | | |
| S | 1.00 | 1131 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1136 | | X | | | X | X | X | X | X | X | X | | X | X | | X | X | | X | | X | X | X | | | | | | |
| ICV | 1.00 | 1144 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1153 | | | X | X | | | | | | | | X | | | | | X | X | | X | | | | | | | | | |
| ICB | 1.00 | 1201 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| ZZZZZZ | 1.00 | 1209 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1217 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| ICSAB | 1.00 | 1229 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| CCV 1 | 1.00 | 1237 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| CCB | 1.00 | 1245 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| LRS | 1.00 | 1254 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| PBW | 1.00 | 1302 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| LCSW | 1.00 | 1309 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW11 | 1.00 | 1317 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW11S | 1.00 | 1324 | | X | X | X | X | X | X | | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW11SD | 1.00 | 1332 | | X | X | X | X | X | X | | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW11D | 1.00 | 1340 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW11L | 5.00 | 1347 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW11A | 1.00 | 1355 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GW-MW01 | 1.00 | 1402 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| CCV 2 | 1.00 | 1410 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| CCB | 1.00 | 1417 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW02 | 1.00 | 1425 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW02-D | 1.00 | 1433 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW08 | 1.00 | 1440 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW10 | 1.00 | 1448 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW07 | 1.00 | 1455 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| ER-SS-010803 | 1.00 | 1503 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW09 | 1.00 | 1510 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW05 | 1.00 | 1518 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| GW-MW06 | 1.00 | 1525 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| ER-SS-010903 | 1.00 | 1533 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |
| CCV 3 | 1.00 | 1541 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: T2812Instrument ID Number: P4Method: PStart Date: 1/24/03End Date: 1/24/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A L | N A | T L | V | Z N | C N | | |
| CCB | 1.00 | 1548 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | | |
| GW-MW03 | 1.00 | 1556 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | | |
| ZZZZZZ | 1.00 | 1603 | | | | | | | | | | | | | | | | X | X | X | X | X | X | X | X | | | | |
| ZZZZZZ | 1.00 | 1611 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1618 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1626 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1634 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1641 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1649 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1656 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1704 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV 4 | 1.00 | 1711 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | | |
| CCB | 1.00 | 1719 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | | |

CompuChem

a Division of Liberty Analytical Corp.

501 Madison Avenue Cary, NC 27513

SDG NARRATIVE
SDG # 2812
CONTRACT # SW846

4/1/03

The indicated Sample Delivery Group (SDG) consisting of thirteen (13) water samples was received into the laboratory information management system (LIMS) on January 8, 9, 10, 15, 2003 intact and in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were analyzed, in accordance with SW846 Statement of Work (SOW) update III for the dissolved metallic TAL list.

SAMPLE IDs:

The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCSW & PBW) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, WG22522-1 (GW-MW11S) was found to be outside control limits for silver. The sample matrix spike duplicate, WG22522-2 (GW-MW11SD) was found to be outside control limits for silver. The reported concentration for this analyte is flagged with an "N" on all associated Form 1 and on Form 5a.

An "N" indicates a matrix-related interference in the sample preparation procedure &/or analysis for the flagged analyte. This is normally the consequence of a relatively high anionic content in the sample or (for some sediments) an inconsistent sample matrix relative to that analyte.

Post-digestion spikes are mandatory for analytes demonstrating unsatisfactory matrix spike recoveries during ICP analysis (excluding silver).

SW-846 control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more; in this case effected analytes are not flagged even if recoveries fall outside percentage recovery control limits.

The sample matrix duplicate, WG22522-3 (GW-MW11D) was inside control limits for all requested analytes.

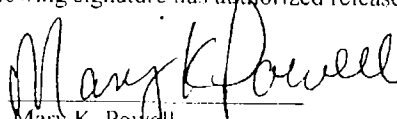
SW846 control limits for duplicate determinations are $\pm 20\%$ Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and \pm the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample, U2812-6 (GW-MW11L) was performed in accordance with requirements for ICP analysis.

The adjusted sample concentrations were inside control limits for all requested analytes.

SW-846 control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.



Mary K. Powell
Data Reviewer II
January 28, 2003

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: U2812AA CRDL Standard Source: HIPURICP CRDL Standard Source: HIPUR

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|-----------|------|-------|-------|-----------------------|---------------|------------|-------------|----------|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R |
| Aluminum | | | | 100.0 | 108.29 | 108.3 | | |
| Antimony | | | | 10.0 | 9.87 | 98.7 | | |
| Arsenic | | | | 10.0 | 12.13 | 121.3 | | |
| Barium | | | | 10.0 | 10.51 | 105.1 | | |
| Beryllium | | | | 5.0 | 5.07 | 101.4 | | |
| Cadmium | | | | 5.0 | 5.24 | 104.8 | | |
| Calcium | | | | 1000.0 | 1029.82 | 103.0 | | |
| Chromium | | | | 5.0 | 4.96 | 99.2 | | |
| Cobalt | | | | 5.0 | 4.64 | 92.8 | | |
| Copper | | | | 5.0 | 3.08 | 61.6 | | |
| Iron | | | | 100.0 | 95.76 | 95.8 | | |
| Lead | | | | 3.0 | 3.72 | 124.0 | | |
| Magnesium | | | | 1000.0 | 990.24 | 99.0 | | |
| Manganese | | | | 10.0 | 9.93 | 99.3 | | |
| Mercury | 0.2 | 0.27 | 135.0 | | | | | |
| Nickel | | | | 5.0 | 4.84 | 96.8 | | |
| Potassium | | | | 1000.0 | 1133.54 | 113.4 | | |
| Selenium | | | | 5.0 | 8.19 | 163.8 | | |
| Silver | | | | 5.0 | 4.64 | 92.8 | | |
| Sodium | | | | 2000.0 | 1547.95 | 77.4 | | |
| Thallium | | | | 10.0 | 9.95 | 99.5 | | |
| Vanadium | | | | 20.0 | 19.16 | 95.8 | | |
| Zinc | | | | 20.0 | 19.81 | 99.0 | | |

Control Limits: no limits have been established by EPA at this time

SW846 METALS

3

BLANKS

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | M |
|-----------|-----------------------------|---|-------------------------------------|---|-------|---|-------|---|-------------------|---|----|
| | | C | 1 | C | 2 | C | 3 | C | | C | |
| Aluminum | 11.8 | U | 14.1 | B | 11.8 | U | 11.8 | U | 11.800 | U | P |
| Antimony | 2.3 | U | 2.3 | U | 2.3 | U | 2.3 | U | 2.300 | U | P |
| Arsenic | 3.9 | B | 3.7 | U | 3.7 | U | 4.2 | B | 3.700 | U | P |
| Barium | 0.4 | B | 0.5 | B | 0.5 | B | 0.4 | B | 0.408 | B | P |
| Beryllium | 0.2 | U | 0.2 | U | 0.2 | U | 0.2 | U | 0.200 | U | P |
| Cadmium | 0.4 | U | 0.4 | U | 0.4 | U | 0.4 | U | 0.400 | U | P |
| Calcium | 7.9 | U | 13.1 | B | 7.9 | U | 7.9 | U | 7.900 | U | P |
| Chromium | 0.6 | U | 0.6 | U | 0.6 | U | 0.6 | U | 0.600 | U | P |
| Cobalt | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U | 0.500 | U | P |
| Copper | 1.5 | U | 1.5 | U | 1.5 | U | 1.5 | U | 1.500 | U | P |
| Iron | 8.7 | U | 8.7 | U | 8.7 | U | 8.7 | U | 8.700 | U | P |
| Lead | 1.1 | U | 1.3 | B | 1.1 | U | 1.1 | U | 1.100 | U | P |
| Magnesium | 62.8 | B | 76.6 | B | 62.6 | B | 62.3 | B | 59.600 | B | P |
| Manganese | 0.2 | U | 0.2 | U | 0.2 | U | 0.2 | U | 0.200 | U | P |
| Mercury | 0.1 | U | 0.1 | U | 0.1 | U | 0.1 | U | 0.113 | B | CV |
| Nickel | 1.0 | U | 1.0 | U | 1.0 | U | 1.0 | U | 1.000 | U | P |
| Potassium | 74.8 | B | 79.1 | B | 102.2 | B | 182.1 | B | 169.631 | B | P |
| Selenium | 2.6 | U | 2.6 | U | 2.6 | U | 2.6 | U | 2.600 | U | P |
| Silver | 0.7 | U | 0.7 | U | 0.7 | U | 0.7 | U | 0.700 | U | P |
| Sodium | 99.3 | U | -111.2 | B | 99.3 | U | 99.3 | U | 99.300 | U | P |
| Thallium | 4.4 | U | 4.4 | U | 4.4 | U | 4.4 | U | 4.400 | U | P |
| Vanadium | 0.4 | U | 0.4 | U | 0.4 | U | 0.4 | U | 0.400 | U | P |
| Zinc | 1.0 | U | 1.0 | U | 1.0 | U | 1.0 | U | 1.123 | B | P |

SW846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: U2812Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | M |
|-----------|--------------------------------------|---|--|---------|--------|--------|--------|--------|----------------------|--|----|
| | | | 4 C | 5 C | 6 C | 7 C | 8 C | 9 C | C | | |
| Aluminum | | | 11.8 U | 11.8 U | | | | | | | P |
| Antimony | | | 2.3 U | 2.3 U | | | | | | | P |
| Arsenic | | | 3.7 U | 3.7 U | | | | | | | P |
| Barium | | | 0.4 B | 0.5 B | | | | | | | P |
| Beryllium | | | 0.2 U | 0.2 U | | | | | | | P |
| Cadmium | | | 0.4 U | 0.4 U | | | | | | | P |
| Calcium | | | 7.9 U | 7.9 U | | | | | | | P |
| Chromium | | | 0.6 U | 0.6 U | | | | | | | P |
| Cobalt | | | 0.5 U | 0.5 U | | | | | | | P |
| Copper | | | 1.5 U | 1.5 U | | | | | | | P |
| Iron | | | 8.7 U | 9.6 B | | | | | | | P |
| Lead | | | 1.1 U | 1.1 U | | | | | | | P |
| Magnesium | | | 61.8 B | 66.9 B | | | | | | | P |
| Manganese | | | 0.2 U | 0.2 U | | | | | | | P |
| Mercury | | | 0.1 B | 0.1 B | 0.1 B | | | | | | CV |
| Nickel | | | 1.0 U | 1.0 U | | | | | | | P |
| Potassium | | | 183.3 B | 194.4 B | | | | | | | P |
| Selenium | | | 2.6 U | 2.6 U | | | | | | | P |
| Silver | | | 0.7 U | 0.7 U | | | | | | | P |
| Sodium | | | 99.3 U | 99.3 U | | | | | | | P |
| Thallium | | | 4.4 U | 4.4 U | | | | | | | P |
| Vanadium | | | 0.4 U | 0.4 U | | | | | | | P |
| Zinc | | | 1.0 U | 1.0 U | | | | | | | P |

SW846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: U2812

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | Preparation Blank | C | M |
|---------|--------------------------------------|---|--|---|---|---|----------------------|---|----|
| | | | 7 / | C | 2 | C | 3 | C | |
| Mercury | | | 0.1 | U | | | | | CV |

SW846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: U2812

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | M |
|---------|-----------------------------|---|-------------------------------------|---|-----|---|-----|---|-------------------|---|----|
| | C | | 1 | C | 2 | C | 3 | C | C | | |
| Mercury | 0.1 | U | 0.1 | U | 0.1 | U | 0.1 | U | 0.100 | U | CV |

SW846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBERTY Case No.: _____ SAS No.: _____ SDG No.: U2812
 Preparation Blank Matrix (soil/water): WATER
 Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | Preparation Blank | C | M |
|---------|--------------------------------------|---|--|---|---|---|----------------------|---|----|
| | | | 1 | 2 | 3 | 4 | | | |
| Mercury | | | 0.1 U | | | | | | CV |

SW846 METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GW-MW11S

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|-----------|------------------|----------------------------|---|--------------------|---|------------------|-------|---|----|
| Aluminum | 75 - 125 | 2127.8760 | | 85.7067 | B | 2000.00 | 102.1 | | P |
| Antimony | 75 - 125 | 508.5372 | | 2.3000 | U | 500.00 | 101.7 | | P |
| Arsenic | 75 - 125 | 40.7771 | | 3.7000 | U | 40.00 | 101.9 | | P |
| Barium | 75 - 125 | 1982.8940 | | 12.9930 | | 2000.00 | 98.5 | | P |
| Beryllium | 75 - 125 | 49.8503 | | 0.2000 | U | 50.00 | 99.7 | | P |
| Cadmium | 75 - 125 | 48.6309 | | 0.4000 | U | 50.00 | 97.3 | | P |
| Chromium | 75 - 125 | 196.7896 | | 0.6000 | U | 200.00 | 98.4 | | P |
| Cobalt | 75 - 125 | 491.9208 | | 0.5000 | U | 500.00 | 98.4 | | P |
| Copper | 75 - 125 | 211.9483 | | 1.5000 | U | 250.00 | 84.8 | | P |
| Iron | | 5608.9751 | | 4649.9492 | | 1000.00 | 95.9 | | P |
| Lead | 75 - 125 | 19.9678 | | 1.1554 | B | 20.00 | 94.1 | | P |
| Manganese | 75 - 125 | 657.2399 | | 167.2726 | | 500.00 | 98.0 | | P |
| Mercury | 75 - 125 | 1.0490 | | 0.1000 | U | 1.00 | 104.9 | | CV |
| Nickel | 75 - 125 | 489.6153 | | 1.0000 | U | 500.00 | 97.9 | | P |
| Selenium | 75 - 125 | 13.5128 | | 3.0264 | B | 10.00 | 104.9 | | P |
| Silver | 75 - 125 | 24.8352 | | 0.7000 | U | 50.00 | 49.7 | N | P |
| Thallium | 75 - 125 | 50.4311 | | 4.4000 | U | 50.00 | 100.9 | | P |
| Vanadium | 75 - 125 | 494.2151 | | 1.9921 | B | 500.00 | 98.4 | | P |
| Zinc | 75 - 125 | 498.4919 | | 4.9024 | B | 500.00 | 98.7 | | P |

Comments:

37

SW846 METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GW-MW11SD

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|-----------|------------------|----------------------------|---|--------------------|---|------------------|-------|---|----|
| Aluminum | 75 - 125 | 2122.7080 | | 85.7067 | B | 2000.00 | 101.9 | | P |
| Antimony | 75 - 125 | 514.1920 | | 2.3000 | U | 500.00 | 102.8 | | P |
| Arsenic | 75 - 125 | 43.1576 | | 3.7000 | U | 40.00 | 107.9 | | P |
| Barium | 75 - 125 | 1999.9561 | | 12.9930 | | 2000.00 | 99.3 | | P |
| Beryllium | 75 - 125 | 50.3534 | | 0.2000 | U | 50.00 | 100.7 | | P |
| Cadmium | 75 - 125 | 49.4494 | | 0.4000 | U | 50.00 | 98.9 | | P |
| Chromium | 75 - 125 | 198.9369 | | 0.6000 | U | 200.00 | 99.5 | | P |
| Cobalt | 75 - 125 | 497.7257 | | 0.5000 | U | 500.00 | 99.5 | | P |
| Copper | 75 - 125 | 210.8197 | | 1.5000 | U | 250.00 | 84.3 | | P |
| Iron | | 5622.7349 | | 4649.9492 | | 1000.00 | 97.3 | | P |
| Lead | 75 - 125 | 19.6670 | | 1.1554 | B | 20.00 | 92.6 | | P |
| Manganese | 75 - 125 | 662.7582 | | 167.2726 | | 500.00 | 99.1 | | P |
| Mercury | 75 - 125 | 1.0360 | | 0.1000 | U | 1.00 | 103.6 | | CV |
| Nickel | 75 - 125 | 494.3579 | | 1.0000 | U | 500.00 | 98.9 | | P |
| Selenium | 75 - 125 | 14.5811 | | 3.0264 | B | 10.00 | 115.5 | | P |
| Silver | 75 - 125 | 25.1458 | | 0.7000 | U | 50.00 | 50.3 | N | P |
| Thallium | 75 - 125 | 51.7459 | | 4.4000 | U | 50.00 | 103.5 | | P |
| Vanadium | 75 - 125 | 498.9717 | | 1.9921 | B | 500.00 | 99.4 | | P |
| Zinc | 75 - 125 | 504.5835 | | 4.9024 | B | 500.00 | 99.9 | | P |

Comments:

38

SW840 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Instrument ID Number: V3Method: CVStart Date: 1/23/03End Date: 1/23/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I |
| S0 | 1.00 | 1129 | | | | | | | | | | | | | | | | X | |
| S0.2 | 1.00 | 1131 | | | | | | | | | | | | | | | | X | |
| S0.5 | 1.00 | 1133 | | | | | | | | | | | | | | | | X | |
| S1 | 1.00 | 1135 | | | | | | | | | | | | | | | | X | |
| S5 | 1.00 | 1138 | | | | | | | | | | | | | | | | X | |
| S10 | 1.00 | 1140 | | | | | | | | | | | | | | | | X | |
| ICV | 1.00 | 1143 | | | | | | | | | | | | | | | | X | |
| ICB | 1.00 | 1145 | | | | | | | | | | | | | | | | X | |
| CRA | 1.00 | 1147 | | | | | | | | | | | | | | | | X | |
| CCV | 1.00 | 1149 | | | | | | | | | | | | | | | | X | |
| CCB | 1.00 | 1152 | | | | | | | | | | | | | | | | X | |
| ZZZZZZ | 1.00 | 1154 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1156 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1159 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1201 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1203 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1205 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1207 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1210 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1212 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1214 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1216 | | | | | | | | | | | | | | | | X | |
| CCB | 1.00 | 1219 | | | | | | | | | | | | | | | | X | |
| ZZZZZZ | 1.00 | 1221 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1223 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1225 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1227 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1230 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1232 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1234 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1236 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1238 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1241 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1243 | | | | | | | | | | | | | | | | X | |
| CCB | 1.00 | 1245 | | | | | | | | | | | | | | | | X | |
| ZZZZZZ | 1.00 | 1247 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1250 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1252 | | | | | | | | | | | | | | | | | |

45

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Instrument ID Number: V3Method: CVStart Date: 1/23/03End Date: 1/23/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V N |
| ZZZZZZ | 1.00 | 1254 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1256 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1259 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1301 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1303 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1305 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1307 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1310 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1312 | | | | | | | | | | | | | | | | X | | | | | | | |
| ZZZZZZ | 1.00 | 1314 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1316 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1319 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1321 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1323 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1325 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1327 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1330 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1332 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1334 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV 5 | 1.00 | 1336 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1339 | | | | | | | | | | | | | | | | X | | | | | | | |
| ZZZZZZ | 1.00 | 1341 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1343 | | | | | | | | | | | | | | | | | | | | | | | |
| PBW | 1.00 | 1345 | | | | | | | | | | | | | | | | X | | | | | | | |
| LCSW | 1.00 | 1348 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW11 | 1.00 | 1350 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW11D | 1.00 | 1352 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW11S | 1.00 | 1354 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW11SD | 1.00 | 1357 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW01 | 1.00 | 1359 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW02 | 1.00 | 1401 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCV 6 | 1.00 | 1403 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1406 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW02-D | 1.00 | 1408 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW08 | 1.00 | 1410 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW10 | 1.00 | 1412 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW07 | 1.00 | 1415 | | | | | | | | | | | | | | | | X | | | | | | | |
| ZZZZZZ | 1.00 | 1417 | | | | | | | | | | | | | | | | | | | | | | | |

46

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: U2812
 Instrument ID Number: V3 Method: CV
 Start Date: 1/23/03 End Date: 1/23/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A A | N L | T V | Z N |
| GW-MW09 | 1.00 | 1419 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW05 | 1.00 | 1422 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW06 | 1.00 | 1424 | | | | | | | | | | | | | | | | X | | | | | | | |
| ER-SS-010903 | 1.00 | 1426 | | | | | | | | | | | | | | | | X | | | | | | | |
| GW-MW03 | 1.00 | 1428 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCV 7 | 1.00 | 1431 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1433 | | | | | | | | | | | | | | | | X | | | | | | | |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Instrument ID Number: V3Method: CVStart Date: 1/28/03End Date: 1/28/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V N |
| S0 | 1.00 | 1227 | | | | | | | | | | | | | | | | X | | | | | | | |
| S0.2 | 1.00 | 1229 | | | | | | | | | | | | | | | | X | | | | | | | |
| S0.5 | 1.00 | 1232 | | | | | | | | | | | | | | | | X | | | | | | | |
| S1 | 1.00 | 1234 | | | | | | | | | | | | | | | | X | | | | | | | |
| S5 | 1.00 | 1236 | | | | | | | | | | | | | | | | X | | | | | | | |
| S10 | 1.00 | 1239 | | | | | | | | | | | | | | | | X | | | | | | | |
| ICV | 1.00 | 1241 | | | | | | | | | | | | | | | | X | | | | | | | |
| ICB | 1.00 | 1243 | | | | | | | | | | | | | | | | X | | | | | | | |
| CRA | 1.00 | 1245 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCV | 1.00 | 1248 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1250 | | | | | | | | | | | | | | | | X | | | | | | | |
| ZZZZZZ | 1.00 | 1252 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1254 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1257 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1259 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1301 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1303 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1306 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1308 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1310 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1312 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1314 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1317 | | | | | | | | | | | | | | | | X | | | | | | | |
| ZZZZZZ | 1.00 | 1319 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1321 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1323 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1326 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1328 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1330 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1332 | | | | | | | | | | | | | | | | X | | | | | | | |
| PBW | 1.00 | 1336 | | | | | | | | | | | | | | | | X | | | | | | | |
| LCSW | 1.00 | 1338 | | | | | | | | | | | | | | | | X | | | | | | | |
| ER-SS-010803 | 1.00 | 1340 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCV | 1.00 | 1342 | | | | | | | | | | | | | | | | X | | | | | | | |
| CCB | 1.00 | 1345 | | | | | | | | | | | | | | | | X | | | | | | | |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Instrument ID Number: P4Method: PStart Date: 1/24/03End Date: 1/24/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K S | S E | A G | A L | T V | Z N |
| S0 | 1.00 | 1057 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| S | 1.00 | 1105 | | | | | | | X | X | | X | X | | | | | X | X | X | | X | | X | |
| S | 1.00 | 1113 | | X | | | | | X | | | | X | X | | | | | | | | | | | |
| S | 1.00 | 1119 | | | | X | X | X | | | | X | | | | | X | | | | | | | X | |
| S | 1.00 | 1125 | | | | | | | | | | | | | | | | | | X | | X | | | |
| S | 1.00 | 1131 | | | X | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1136 | | X | | | X | X | X | X | X | X | X | X | X | X | X | X | X | | | X | | X | X |
| ICV | 1.00 | 1144 | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1153 | | | X | X | | | | | | | | X | | | | | | | X | X | | X | |
| ICB | 1.00 | 1201 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | 1.00 | 1209 | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1217 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ICSAB | 1.00 | 1229 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCV | 1.00 | 1237 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCB | 1.00 | 1245 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| LRS | 1.00 | 1254 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | 1.00 | 1302 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1309 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1317 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1324 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1332 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1340 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1347 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1355 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1402 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV 2 | 1.00 | 1410 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| CCB | 1.00 | 1417 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ZZZZZZ | 1.00 | 1425 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1433 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1440 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1448 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1455 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1503 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1510 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1518 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1525 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1533 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV 3 | 1.00 | 1541 | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

SW846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: U2812Instrument ID Number: P4Method: PStart Date: 1/24/03End Date: 1/24/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V | Z N | C N | | | | |
| CCB | 1.00 | 1548 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | | | | | |
| ZZZZZZ | 1.00 | 1556 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBW | 1.00 | 1603 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| LCSW | 1.00 | 1611 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW11 | 1.00 | 1618 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW11S | 1.00 | 1626 | | X | X | X | X | X | X | | X | X | X | X | X | | X | X | | X | X | | X | X | X | | | | | | |
| GW-MW11SD | 1.00 | 1634 | | X | X | X | X | X | X | | X | X | X | X | X | | X | | X | X | | X | X | X | | | | | | | |
| GW-MW11D | 1.00 | 1641 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW11L | 5.00 | 1649 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW01 | 1.00 | 1656 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW02 | 1.00 | 1704 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCV 4 | 1.00 | 1711 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCB | 1.00 | 1719 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW02-D | 1.00 | 1727 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW08 | 1.00 | 1734 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW10 | 1.00 | 1742 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW07 | 1.00 | 1749 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ER-SS-010803 | 1.00 | 1757 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW09 | 1.00 | 1804 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW05 | 1.00 | 1812 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW06 | 1.00 | 1820 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| ER-SS-010903 | 1.00 | 1827 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| GW-MW03 | 1.00 | 1835 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCV 5 | 1.00 | 1842 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |
| CCB | 1.00 | 1850 | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | | | | |

CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG #Q2849

SAMPLE IDENTIFICATIONS:GW-6MW-3D GW-6MW-6 GW-MW-117 GW-MW-118 GW-MW-118D
TRIPBLANK1-14 GW-6MW-5D GW-6MW-5S GW-6MW-7 TRIPBLANK1-15 GW-MW-115 GW-6MW-3S
GW-6MW-8 GW-6MW-4 GW-6MW-4D

The fifteen water samples listed above were received intact, at 2.0, and 2.4, degrees C, with proper documentation, in sealed shipping containers, on January 15, 16, and 21, 2003. The majority of samples were scheduled for volatile, and metals analysis, and samples TRIPBLANK1-14, and TRIPBLANK1-15 were submitted for volatile only analysis.

The volatile samples were prepared and analyzed following SW846 Method 8260B, and this portion of the SDG narrative will only cover the volatile data. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # Q2849 are included in the sample data sections. Analysis holding time requirements were met for these samples, and all sample pH values were less than 2.0.

Several target analytes were identified in GW-MW-117 above the reporting limits, and tetrachloroethene was present in GW-6MW-7 above the reporting limits.

Other than laboratory artifact and siloxane peaks, numerous additional Tentatively Identified Compound (TIC) were only present in GW-MW-117. These TICs were generally characterized as substituted benzenes, and naphthalenes. All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

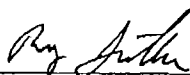
All of the system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples, and all of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria, and did not contain any target analytes above the reporting limits.

Manual quantitations were performed on one or more process files in the initial and continuing calibration(s) associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

Duplicate matrix spikes were generated from the original GW-MW-115 as requested, and met all QC precision and accuracy criteria without exception. The associated Laboratory Control Samples (LCSs) met all accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Roy Sutton
Case Reviewer
January 28, 2003

**COMPUCHEM a Division of Liberty Analytical
COMMERCIAL RECEIVING LOG**

Page 1 of 1
00
09

| | | |
|------------------------------|---------------------------------------|---|
| Client: <u>Malcom Pirnie</u> | Rec'd Date: <u>1-15-03</u> | PPS/RFA <u>1285</u> |
| Project: <u>LARC 60</u> | Courier: <u>WPS</u> | Lab Instructions <u>TRL 4 Rept AL, PC only</u> |
| Quote: <u>Q2849</u> | Airbill No. <u>1230098221002 2353</u> | |
| Login No. <u>Q2849</u> | | |
| Subcontract? <u>Y / (N)</u> | | |
| TAT Verbal <u>Report 14</u> | | |

| |
|---|
| Cooler Rec'd By: <u>P. Schiller</u> |
| Sample Login By: <u>AT Diamond</u> |
| Temperature: <u>2.0 °C</u> |
| Cyanide Samples checked for sulfide & chlorine? <u>Y / (NA)</u> |
| Phenol Samples checked for chlorine? <u>Y / (NA)</u> |
| Received in Good Condition? <u>(Y)</u> <u>N</u> |
| If no, explain: |

| | | | | | | Parameters | | | | | | | | | | | | | | | |
|----------------|-------------------|-----|-----------|-------------------|---------------|----------------|-----|-----------------|-----------|-----------------|-----|--------------|-----|----------------|-----|------------|-----|------------|-----|------------|-----|
| CompuChem ID | Client ID | Q C | Matrix | Date 20 <u>03</u> | Military Time | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H |
| <u>Q2849-1</u> | <u>BW-6 MW-3D</u> | | <u>WA</u> | <u>1/13</u> | <u>14:30</u> | <u>3 toml</u> | | <u>1.500 PL</u> | <u>42</u> | <u>—</u> | | <u>—</u> | | <u>—</u> | | | | | | | |
| <u>2</u> | <u>GW-6 MW-6</u> | | | <u>1/14</u> | <u>14:20</u> | | | | | | | | | | | | | | | | |
| <u>3</u> | <u>BW-MW-117</u> | | | | <u>13:45</u> | | | | | <u>1.500 PL</u> | | <u>1. PL</u> | | <u>2.40 ml</u> | | | | | | | |
| <u>4</u> | <u>118</u> | | | | <u>11:20</u> | | | | | | | | | | | | | | | | |
| <u>5</u> | <u>118D</u> | | | | <u>11:30</u> | | | | | | | | | | | | | | | | |
| <u>6</u> | <u>TRIP BLANK</u> | | | | | <u>1.40 ml</u> | | | | | | | | | | | | | | | |

Q2849-15-03

Container Type Abbreviations: 40ml (40ml. vial) AL (Amber Liter) PL (Plastic Liter) 500P (500mL Plastic) 250P (250mL Plastic) OTHER _____

rtl - 6/28/01.dcc

Page 1 of 1

| | | |
|-------------------------------------|--------------------------------------|--------------------------|
| Client: <u>Malcom Pirnie</u> | Rec'd Date: <u>1-15-03</u> | PPS/RFA <u>1215</u> |
| Project: <u>LARC 60</u> | Courier: <u>UPS</u> | Lab Instructions |
| Quote: <u>Q 2849</u> | Airbill No. <u>12200982210072353</u> | <u>Disclosed As - F1</u> |
| Login No. <u>R2849</u> | | |
| Subcontract? <u>Y / N</u> | | |
| TAT Verbal <u>Report</u> <u>10/</u> | | |

Cooler Rec'd By: *E. Sahiller*
Sample Login By: *PT Namorok*
Temperature: *21.0 °C*
Cyanide Samples checked for sulfide & chlorine? *Y / NA*
Phenol Samples checked for chlorine? *Y / NA*
Received in Good Condition? *(Y) / N*
If no, explain:

| | | | | | |
|--|--|--|--|--|--|
| Cooler Rec'd By: <u> </u> | | | | | |
|--|--|--|--|--|--|

Container Type Abbreviations: 40ml (40ml vial) AL (Amber Liter) PL (Plastic Liter) 500P (500mL Plastic) : 250P (250mL Plastic) OTHER

$$r_{11} = (V/2R_A) \cdot dce$$



COMPUCHEM

a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068834

| | | | | |
|--------------------------|--|--|--|---|
| Project Name: LARC 60 | | Client Address: 701 TOWN CENTER DR. STE 600 | | Point-of-Contact: TONY PAGE |
| Carrier: | | NEWPORT NEWS, VA 23606 | | Telephone No.: (757) 873-8700 |
| Airbill No.: | | Sampler Name: Gorklyn Perlas | | Sampling complete? Y or <u>N</u> (see Note 1) |
| Sampler Signature: | | Project-specific (PS) or Batch (B) QC? | | |

| | | | | | | | | | | | | |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinse 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other | BOX #2 | A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc + NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | Box #4 | H. High M. Medium L. Low | Box #5 | C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other | T. TCLP |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|

| Sample ID (9 characters maximum) | Date: Year: <u>2003</u> | Time | Box #1 | Box #2 | Box #3 | Box #4 | Box #5 | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | O&G / TPH | TL Arsenic, Iron | Diss Arsenic, Lead | Sulfate | TDS | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|-------------------------|-------|--------|--------|--------|--------|--------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|------------------|--------------------|---------|-----|---|
| GN-6NW-3D | 1/13 | 14:30 | 2 | A,B | F/U | | S | 5 | | 3 | | | | | | | | | 1 | 1 | | | |
| GN-6MN-6 | 1/14 | 14:20 | 2 | A,B | F/U | | S | 5 | | 3 | | | | | | | | | 1 | 1 | | | |
| GN-MN-117 | 1/14 | 13:45 | 2 | A,B,D | F/M | | S | 9 | | 3 | | | | | | | 2 | | 1 | 1 | 1 | | |
| GN-MN-118 | 1/14 | 11:20 | 2 | A,B | F/U | | S | 5 | | 3 | | | | | | | | | 1 | 1 | | | |
| GN-MN-118D | 1/14 | 11:30 | 2 | A,B | F/U | | S | 5 | | 3 | | | | | | | | | 1 | 1 | | | |
| TRIP BLANK | / | : | | | | | | | | | | | | | | | | | | | | | |
| | / | : | | | | | | | | | | | | | | | | | | | | | |
| | / | : | | | | | | | | | | | | | | | | | | | | | |
| | / | : | | | | | | | | | | | | | | | | | | | | | |
| | / | : | | | | | | | | | | | | | | | | | | | | | |

Clients Special Instructions:

| | | | | | |
|--|----------------------|----------------------------|-------|---------------------------|-------|
| Lab: Received In Good Condition? Y or N | | Describe Problems, if any: | | Temperature <u>2.0</u> °C | |
| #1 Relinquished By: (Sig) <u>[Signature]</u> | Date: <u>1/14/03</u> | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: <u>Malcolm Pirnie</u> | Time: <u>1530</u> | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <u>[Signature]</u> | Date: <u>1/14/03</u> | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: <u>CompuChem</u> | Time: <u>0930</u> | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; If "Y" lab will begin processing batches now.
 Note (2): Samples stored 60 days after date report mailed at no extra charge.
 Note (3): All lab copies of data destroyed after three years.

COMPUCHEM a Division of Liberty Analytical
COMMERCIAL RECEIVING LOG

Page of 3

| | | |
|-------------------------------------|-------------------------------------|---|
| Client: <u>Melcom Pirmie Inc.</u> | Rec'd Date: <u>1-16-03</u> | PPS/RFA <u>1285</u> |
| Project: <u>LARC 40</u> | Courier: <u>UPS</u> | Lab Instructions <u>TC24 Method = As Fc</u> <u>Dissolved Metals = As + Fc</u> |
| Quote: <u>Q2849</u> | Airbill No. <u>1223009822100282</u> | |
| Login No. <u>Q2849</u> <u>R2849</u> | | |
| Subcontract? <u>Y / N</u> | | |
| TAT Verbal Report <u>14</u> | | |

| |
|---|
| Cooler Rec'd By: <u>AS Schiller</u> |
| Sample Login By: <u>RA Edwards</u> |
| Temperature: <u>2.0 °C</u> |
| Cyanide Samples checked for sulfide & chlorine? <u>Y / NA</u> |
| Phenol Samples checked for chlorine? <u>Y / NA</u> |
| Received in Good Condition? <u>Y / N</u> |
| If no, explain: |

| | | | | | | | | | | Parameters | | | | | | | | | |
|---|------------|-----|--------|------|---------------|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|------------|----|
| CompuChem ID | Client ID | Q C | Matrix | Date | Military Time | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH | No. & Type | pH |
| Q2849-7 | BW-6MW-5D | | WA | 1/15 | 12:30 | 3.40mL | | 1.50mL | | | | | | | | | | | |
| 8 | ↓ | | SS | ↓ | 14:25 | ↓ | | 1.50PL | | 1.50PL | | 1.1PL | | 2.40mL | | | | | |
| 9 | ↓ | | 7 | ↓ | 15:15 | ↓ | | 1.50PL | | | | | | | | | | | |
| 10 | TRIP BLANK | | ↓ | ↓ | | 1.40mL | | | | | | | | | | | | | |
| R2849-1 | BW-6MW-5D | | WA | 1/15 | 12:30 | | | | | | | | | | | | | | |
| ? | ↓ | | SS | ↓ | 14:25 | | | | | | | | | | | | | | |
| 8 | ↓ | | 7 | ↓ | 15:15 | | | | | | | | | | | | | | |
| <div style="position: relative; width: 100%; height: 100%;"> <u>Q2849</u> 1-16/03 </div> | | | | | | | | | | | | | | | | | | | |

Diss. Arsenic Iron

Container Type Abbreviations: 40mL (40mL vial) AL (Amber Liter) PL (Plastic Liter) 500P (500mL Plastic) 250P (250mL Plastic) OTHER _____

r11 - 6/28/01 dce



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501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068831

104

| | | | | |
|-------------------------------------|--|--|--|--|
| Project Name : LARC 60 | | Client Address : 701 TOWN CENTER DR. STE 600 | | Point-of-Contact : TONY PAGE |
| Carrier : | | NEWPORT NEWS, VA 23606 | | Telephone No. : (757) 873-8700 |
| Airbill No. : | | | | Sampling complete? Y or N (see Note 1) |
| Sampler Name : GERLYN FORLAS | | Sampler Signature : | | Project-specific (PS) or Batch (B) QC ? |
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinseate 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other | BOX #2 A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice |
| BOX #3 | F. Filtered U. Unfiltered | BOX #4 | H. High M. Medium L. Low | BOX #5 C. CLP 3/90 S. SW-846 W. CWA 600-series O. Other |

| Sample ID (9 characters maximum) | | | | | | | | | | Date/Year: 2003 | Time | Box #1 | Box #2 | Box #3 | Box #4 | Box #5 | | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / TOX | OSG / TPH | TL Aroclor / PCB | Dist Aroclor / PCB | TPS | TPC SULFATE | Remarks / Comments (see Notes 2 & 3) |
|-------------------------------------|---|---|---|---|---|---|---|---|---|-----------------|-------|--------|--------|--------|--------|--------|---|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|-----------|------------------|--------------------|-----|-------------|---|
| B | M | W | - | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | |
| G | W | - | 6 | M | W | - | 5 | D | | 06/15 | 12:30 | 2 | A,B | F/U | | S | 5 | | 3 | | | | | | | | | 1 | 1 | | | |
| G | W | - | 6 | M | W | - | 5 | S | | 01/15 | 12:25 | 2 | A,B,D | F/U | | S | 9 | | 3 | | | | | | 2 | | 1 | 1 | 1 | 2,1 | (2P) | |
| G | W | - | 6 | M | W | - | 7 | | | 06/15 | 15:15 | 2 | A,B | F/U | | S | 5 | | 3 | | | | | | | | 1 | 1 | | | | |
| T | R | I | P | | B | L | A | N | K | 1 | : | | | | | | 1 | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1 | : | | | | | | | | | | | | | | | | | | | | | |

Clients Special Instructions:

| | | | | | |
|--|----------------------|----------------------------|-------|---------------------------|-------|
| Lab: Received in Good Condition? Y or N | | Describe Problems, if any: | | Temperature 2.0 °C | |
| #1 Relinquished By: (Sig) <i>[Signature]</i> | Date: 1/16/03 | #2 Relinquished By: (Sig) | Date: | #3 Relinquished By: (Sig) | Date: |
| Company Name: MALCOLM PIRNIE | Time: 1500 | Company Name: | Time: | Company Name: | Time: |
| #1 Received By: (Sig) <i>[Signature]</i> | Date: 1/16/03 | #2 Received By: (Sig) | Date: | #3 Received By: (Sig) | Date: |
| Company Name: CompuChem | Time: 0930 | Company Name: | Time: | Company Name: | Time: |

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.

Note (3): All lab copies of data destroyed after three years.

**COMPUCHEM a Division of Liberty Analytical
COMMERCIAL RECEIVING LOG**

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| | | |
|------------------------------------|---------------------------------|------------------|
| Client: <u>Malcolm Pirnie Inc.</u> | Rec'd Date: <u>1-21-03</u> | PPS/RFA |
| Project: <u>LARC 60</u> | Courier: <u>UPS</u> | Lab Instructions |
| Quote: <u>Q 2849</u> | Airbill No. | |
| Login No. <u>Q 2849 R 2849</u> | <u>17 230 098 22 1002 237 1</u> | |
| Subcontract? <u>Y / N</u> | | |
| TAT Verbal <u>Report 1/4</u> | | |

| |
|--|
| Cooler Rec'd By: <u>S.J. Bailey</u> |
| Sample Login By: <u>SP Deunord</u> |
| Temperature: <u>2.4</u> °C |
| Cyanide Samples checked for sulfide & chlorine? <u>Y / NA</u> |
| Phenol Samples checked for chlorine? <u>Y / NA</u> |
| Received in Good Condition? <u>Y / N</u> |
| If no, explain: <u>Received 2-40ml (Trip Blank) broken in bag!</u> |

| | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|------------|-----|--|-------------------|--|------------------|--|-----|--|---------|--|--|--|--|--|--|
| Cooler Rec'd By: <u>A. J. Bailey</u> | | | | | | Parameters | | | | | | | | | | | | | | | |
| Sample Login By: <u>AP Remond</u> | | | | | | VOC | TOC | | Diss Arsenic Iron | | TAL Arsenic Iron | | TDS | | Sulfate | | | | | | |
| Temperature: <u>2.4</u> °C | | | | | | | | | | | | | | | | | | | | | |
| Cyanide Samples checked for sulfide & chlorine? <u>Y</u> / <u>NA</u> | | | | | | | | | | | | | | | | | | | | | |
| Phenol Samples checked for chlorine? <u>Y</u> / <u>NA</u> | | | | | | | | | | | | | | | | | | | | | |
| Received in Good Condition? <u>Y</u> / <u>N</u> | | | | | | | | | | | | | | | | | | | | | |
| If no, explain: <u>Received 2-40ml (Trip Blank) broken in bag!</u> | | | | | | | | | | | | | | | | | | | | | |

| CompuChem ID | Client ID | Q C | Matrix | Date | Military Time | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H | No. & Type | p H |
|--------------|--------------|-----|--------|------|---------------|-----------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|
| G2849-11 | GW-MW-115 | X | WA | 1/20 | 11:20 | 9-40ml | | — | | 3-500P | | 3-500P | | — | | | | | |
| ↓ | 12 GW-6MW-35 | | | | 12:00 | 3-40ml | | 2-40ml | | 1-500P | | 1-500P | | 1-PL | | 1-500P | | | |
| ↓ | 13 GW-6 MW-8 | | | | 14:20 | | | — | | 1-500P | | 1-500P | | — | | — | | | |
| ↓ | 14 GW-6MW-4 | | | | 15:10 | | | — | | ↓ | | ↓ | | — | | — | | | |
| ↓ | 15 GW-6MW-4D | | | | 15:20 | | | — | | ↓ | | ↓ | | — | | — | | | |
| | TRIP Blank | | ↓ | ↓ | — | Returned Broken | | — | | — | | — | | — | | — | | | |
| R2849-9 | GW-MW-115 | * | WA | 1/20 | 11:20 | | | | | 3-500P | | 3-500P | | | | | | | |
| ↓ | 10 GW-MW 35 | | | | 12:00 | | | | | 1-500P | | 1-500P | | | | | | | |
| ↓ | 11 GW-6mw 8 | | | | 14:20 | | | | | ↓ | | ↓ | | | | | | | |
| ↓ | 12 GW-6mw 8 | | | | 15:10 | | | | | ↓ | | ↓ | | | | | | | |
| ↓ | 13 GW-6mw-4D | | | | 15:20 | | | | | ↓ | | ↓ | | | | | | | |
| APR 1-21-03 | | | | | | | | | | | | | | | | | | | |



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501 Madison Avenue
Cary, NC 27513
1-800-833-5097

CHAIN-OF-CUSTODY RECORD

No. 068832

Project Name:

LARC 60

Client Address:

701 BOWN CENTER DR. STE 600
NEWPORT NEWS, VA 23606

Point-of-Contact:

TONY PAGE

Carrier:

Airbill No.:

Sampler Name: Gerlyn Peralta

Sampler Signature:

Telephone No.: (757) 873-8700

Sampling complete? Y or N (see Note 1)

Project-specific (PS) or Batch (B) QC?

| | | | | | | | | | | | | |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|
| BOX #1 | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinse 5. Soil / Sediment / Sludge | 6. Trip Blank 7. Oil 8. Waste 9. Other | BOX #2 | A. HCl + Ice B. HNO ₃ + Ice C. NaOH + Ice D. H ₂ SO ₄ + Ice E. Unpreserved | F. Ice Only G. Other H. NaHSO ₄ + Ice I. ZnAc+NaOH + Ice | BOX #3 | F. Filtered U. Unfiltered | BOX #4 | H. High M. Medium L. Low | BOX #5 | C. CLP 3/90 S. SW-846 W. CWA 800-series O. Other | T. TCLP |
|--------|---|---|--------|---|--|--------|------------------------------|--------|--------------------------------|--------|---|---------|

| Sample ID (9 characters maximum) | | | | | | | | | | Date/Year: <u>2003</u> | Time | Box #1 Matrix | Box #2 Preservative | Box #3 Filtered / Unfiltered | Box #4 Expected Conc. | Box #5 Method | No. of Bottles | Use for Lab QC (MS or DUP) | VOA | SVOC | Pesticide | PCB | Herbicide | Metals / Mercury | Cyanide | TOC / DOC | OA/G / TPH | TL DM, Arsenic | DBS IRM, Arsenic | TDS | Sulfate | Remarks / Comments (see Notes 2 & 3) | |
|-------------------------------------|--|--|--|--|--|--|--|--|--|------------------------|-------|------------------|------------------------|---------------------------------|--------------------------|------------------|----------------|-------------------------------|-----|------|-----------|-----|-----------|------------------|---------|-----------|------------|----------------|------------------|-----|---------|---|-------------|
| GW-MW-115 | | | | | | | | | | 1/20 | 11:20 | 2 | A,B | F/U | | S | 5 | | 3 | | | | | | | | | | | | | | |
| GW-6MW-3B | | | | | | | | | | 1/20 | 12:00 | 2 | A,B,D | F/U | | S | 9 | | 3 | | | | | | | | | | | | | | |
| GW-6MW-8 | | | | | | | | | | 1/20 | 14:20 | 2 | A,B | F/U | | S | 5 | | 3 | | | | | 2 | | | | | | | | | |
| GW-6MW-4 | | | | | | | | | | 1/20 | 15:10 | 2 | A,B | F/U | | S | 5 | | 3 | | | | | | | | | | | | | | |
| *TRIP BLANK | | | | | | | | | | 1/20 | : | | | | | | 2 | | | | | | | | | | | | | | | | |
| GW-6MW-4D | | | | | | | | | | 1/20 | 15:20 | 2 | A/B | F/U | | S | 5 | | 3 | | | | | | | | | | | | | * Trip Blanks- | |
| GW-MW-115MS/MSD | | | | | | | | | | 1/20 | 11:30 | 2 | A/B | F/U | | S | 10 | | 6 | | | | | | | | | | | | | Received broken! | |
| | | | | | | | | | | / | : | | | | | | | | | | | | | | | | | | | | | | GFB 1-21-03 |
| | | | | | | | | | | / | : | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | / | : | | | | | | | | | | | | | | | | | | | | | | |
| Client's Special Instructions: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Client's Special Instructions:

Lab: Received in Good Condition? Y or N

Describe Problems, if any:

Received 2-40ml (Trip Blank) broken in bag!!!

Temperature 2.4 °C

#1 Relinquished By: (Sig) *Maxim Peralta*

Date: 1/20/03

#2 Relinquished By: (Sig)

Date:

#3 Relinquished By: (Sig)

Date:

Company Name: *Maxim Peralta*

Time: 5:45

Company Name:

Time:

Company Name:

Time:

#1 Received By: (Sig) *Phacine Z. Bailey*

Date: 1-21-03

#2 Received By: (Sig)

Date:

#3 Received By: (Sig)

Date:

Company Name: *CompuChem*

Time: 9:30

Company Name:

Time:

Company Name:

Time:

Note (1): If "N" lab will hold samples to await remainder of project-maximizing batch size and minimizing QC ratio; if "Y" lab will begin processing batches now.
Note (2): Samples stored 60 days after date report mailed at no extra charge.
Note (3): All lab copies of data destroyed after three years.

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKRG

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Lab File ID: WG22480-2B59_Q

Lab Sample ID: WG22480-2

Date Analyzed: 01/21/03

Time Analyzed: 2142

GC Column: ZB-624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|--------------|------------------|----------------|------------------|
| | ===== | ===== | ===== | ===== |
| 01 | VRGLCS | WG22480-5 | WG22480-5B59 | 2233 |
| 02 | GW-6MW-3D | Q2849-1 | Q2849-1B59 | 0336 |
| 03 | GW-6MW-6 | Q2849-2 | Q2849-2B59 | 0401 |
| 04 | GW-MW-117 | Q2849-3 | Q2849-3B59 | 0426 |
| 05 | GW-MW-118 | Q2849-4 | Q2849-4B59 | 0452 |
| 06 | GW-MW-118D | Q2849-5 | Q2849-5B59 | 0517 |
| 07 | TRIPBLANK1-1 | Q2849-6 | Q2849-6B59 | 0542 |
| 08 | GW-6MW-5D | Q2849-7 | Q2849-7B59 | 0608 |
| 09 | GW-6MW-5S | Q2849-8 | Q2849-8B59 | 0633 |
| 10 | GW-6MW-7 | Q2849-9 | Q2849-9B59 | 0658 |
| 11 | TRIPBLANK1-1 | Q2849-10 | Q2849-10B59 | 0723 |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
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| 29 | | | | |
| 30 | | | | |

COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

VBLKRG

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: WG22480-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22480-2B59_Q

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/21/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 0.9 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBKRG

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: WG22480-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22480-2B59_Q

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/21/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 0.5 | J |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKRG

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: WG22480-2

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22480-2B59_Q

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/21/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/03

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.48 | 24.20 | J |
| 2. | LABORATORY ARTIFACT | 14.86 | 12.04 | J |
| 3. | | | | |
| 4. | | | | |
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FORM I VOA-TIC

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKBT

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Lab File ID: WG22564-8A59_TC4

Lab Sample ID: WG22564-8

Date Analyzed: 01/24/03

Time Analyzed: 1301

GC Column: ZB-624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|--------------|------------------|----------------|------------------|
| | ===== | ===== | ===== | ===== |
| 01 | VCTLCS | WG22564-11 | WG22564-11A5 | 1545 |
| 02 | GW-MW-115 | Q2849-11 | Q2849-11A59 | 1758 |
| 03 | GW-MW-115MS | WG22479-6 | WG22479-6A59 | 1823 |
| 04 | GW-MW-115MSD | WG22479-7 | WG22479-7A59 | 1848 |
| 05 | GW-6MW-3S | Q2849-12 | Q2849-12A59 | 1914 |
| 06 | GW-6MW-8 | Q2849-13 | Q2849-13A59 | 1939 |
| 07 | GW-6MW-4 | Q2849-14 | Q2849-14A59 | 2004 |
| 08 | GW-6MW-4D | Q2849-15 | Q2849-15A59 | 2030 |
| 09 | | | | |
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

VBKBT

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: WG22564-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22564-8A59_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|-----------------|------------------------------|----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5 | U |
| 74-87-3----- | Chloromethane | 5 | U |
| 75-01-4----- | Vinyl Chloride | 5 | U |
| 74-83-9----- | Bromomethane | 5 | U |
| 75-00-3----- | Chloroethane | 5 | U |
| 75-69-4----- | Trichlorofluoromethane | 5 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5 | U |
| 75-15-0----- | Carbon disulfide | 5 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5 | U |
| 78-93-3----- | 2-butanone | 13 | U |
| 67-66-3----- | Chloroform | 5 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5----- | Carbon Tetrachloride | 5 | U |
| 71-43-2----- | Benzene | 5 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5 | U |
| 79-01-6----- | Trichloroethene | 5 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5 | U |
| 75-27-4----- | Bromodichloromethane | 5 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 5 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5 | U |
| 127-18-4----- | Tetrachloroethene | 5 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLKBT

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: WG22564-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22564-8A59_TC4

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|---|---|
| 108-90-7----- | Chlorobenzene | 5 | U |
| 100-41-4----- | Ethylbenzene | 5 | U |
| 100-42-5----- | Styrene | 5 | U |
| 75-25-2----- | Bromoform | 5 | U |
| 98-82-8----- | Isopropyl Benzene | 5 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5 | U |
| 1330-20-7----- | Xylene (total) | 5 | U |
| 79-20-9----- | Methyl acetate | 5 | U |
| 110-82-7----- | Cyclohexane | 5 | U |
| 108-87-2----- | Methylcyclohexane | 5 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKBT

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Matrix: (soil/water) WATER

Lab Sample ID: WG22564-8

Sample wt/vol: 5 (g/ml) ML

Lab File ID: WG22564-8A59_T

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 01/24/03

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

4/1/04
2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | LABORATORY ARTIFACT | 14.86 | 17.51 | J |
| 2. | | | | |
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FORM I VOA-TIC

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM Contract: 8260B
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Q2849
Lab File ID: BF030109A59 BFB Injection Date: 01/09/03
Instrument ID: 5972HP59 BFB Injection Time: 1051
GC Column: ZB624 ID: 32.00 (mm) Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 18.3 |
| 75 | 30.0 - 60.0% of mass 95 | 40.7 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 74.1 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 (7.3)1 |
| 176 | 95.0 - 101.0% of mass 174 | 73.4 (99.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.8 (6.6)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD005 | VSTD005 | GS030109A59 | 01/09/03 | 1133 |
| 02 | VSTD010 | VSTD010 | GT030109A59 | 01/09/03 | 1158 |
| 03 | VSTD020 | VSTD020 | GU030109A59 | 01/09/03 | 1224 |
| 04 | VSTD050 | VSTD050 | GV030109A59 | 01/09/03 | 1249 |
| 05 | VSTD100 | VSTD100 | GW030109A59 | 01/09/03 | 1314 |
| 06 | VSTD200 | VSTD200 | GX030109A59 | 01/09/03 | 1340 |
| 07 | | | | | |
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Lab File ID: BF030121B59

BFB Injection Date: 01/21/03

Instrument ID: 5972HP59

BFB Injection Time: 2059

GC Column: ZB624

ID: 32.00 (mm)

Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 23.0 |
| 75 | 30.0 - 60.0% of mass 95 | 43.3 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.9 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 72.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5.2 (7.1)1 |
| 176 | 95.0 - 101.0% of mass 174 | 70.5 (96.9)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.7 (6.6)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | GS030121B59 | 01/21/03 | 2117 |
| 02 | VBLKRG | WG22480-2 | WG22480-2B59_Q | 01/21/03 | 2142 |
| 03 | VRGLCS | WG22480-5 | WG22480-5B59_Q | 01/21/03 | 2233 |
| 04 | GW-6MW-3D | Q2849-1 | Q2849-1B59 | 01/22/03 | 0336 |
| 05 | GW-6MW-6 | Q2849-2 | Q2849-2B59 | 01/22/03 | 0401 |
| 06 | GW-MW-117 | Q2849-3 | Q2849-3B59 | 01/22/03 | 0426 |
| 07 | GW-MW-118 | Q2849-4 | Q2849-4B59 | 01/22/03 | 0452 |
| 08 | GW-MW-118D | Q2849-5 | Q2849-5B59 | 01/22/03 | 0517 |
| 09 | TRIPBLANK1-1 | Q2849-6 | Q2849-6B59 | 01/22/03 | 0542 |
| 10 | GW-6MW-5D | Q2849-7 | Q2849-7B59 | 01/22/03 | 0608 |
| 11 | GW-6MW-5S | Q2849-8 | Q2849-8B59 | 01/22/03 | 0633 |
| 12 | GW-6MW-7 | Q2849-9 | Q2849-9B59 | 01/22/03 | 0658 |
| 13 | TRIPBLANK1-1 | Q2849-10 | Q2849-10B59 | 01/22/03 | 0723 |
| 14 | | | | | |
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Page 1 of 1

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Lab File ID: BF030124A59

BFB Injection Date: 01/24/03

Instrument ID: 5972HP59

BFB Injection Time: 0928

GC Column: ZB624

ID: 32.00 (mm)

Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----------------------|------------------------------------|-----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 22.1 |
| 75 | 30.0 - 60.0% of mass 95 | 42.6 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 75.0 |
| 175 | 5.0 - 9.0% of mass 174 | 5.0 (6.7)1 |
| 176 | 95.0 - 101.0% of mass 174 | 71.3 (95.1)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.7 (6.6)2 |
| 1-Value is % mass 174 | | 2-Value is % mass 176 |

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050 | VSTD050 | GS030125A59 | 01/24/03 | 1109 |
| 02 | VBLKBT | WG22564-8 | WG22564-8A59 T | 01/24/03 | 1301 |
| 03 | VCTLCS | WG22564-11 | WG22564-11A59 | 01/24/03 | 1545 |
| 04 | GW-MW-115 | Q2849-11 | Q2849-11A59 | 01/24/03 | 1758 |
| 05 | GW-MW-115MS | WG22479-6 | WG22479-6A59 | 01/24/03 | 1823 |
| 06 | GW-MW-115MSD | WG22479-7 | WG22479-7A59 | 01/24/03 | 1848 |
| 07 | GW-6MW-3S | Q2849-12 | Q2849-12A59 | 01/24/03 | 1914 |
| 08 | GW-6MW-8 | Q2849-13 | Q2849-13A59 | 01/24/03 | 1939 |
| 09 | GW-6MW-4 | Q2849-14 | Q2849-14A59 | 01/24/03 | 2004 |
| 10 | GW-6MW-4D | Q2849-15 | Q2849-15A59 | 01/24/03 | 2030 |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
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Page 1 of 1

FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Instrument ID: 5972HP59

Calibration Date: 01/21/03

Time: 2117

Lab File ID: GS030121B59

Init. Calib. Date(s): 01/09/03

01/09/03

Init. Calib. Times: 1133

1340

GC Column: ZB-624

ID: 0.32 (mm)

| COMPOUND | RRF or AMOUNT | RRF50 or AMOUNT | CCAL RRF50 | MIN RRF | %D or %DRIFT | MAX %D or %DRIFT | CURV TYPE |
|-----------------------------|------------------|-----------------------|---------------|------------|-----------------|---------------------|--------------|
| ichlorodifluoromethane | 0.4920000 | 0.5323411 | 0.5323411 | 0.001 | 8.20 | 90.00 | AVRG |
| hloromethane | 0.2470000 | 0.2415070 | 0.2415070 | 0.1 | -2.22 | 90.00 | AVRG |
| inyl Chloride | 0.2050000 | 0.2090026 | 0.2090026 | 0.001 | 1.95 | 20.00 | AVRG |
| romomethane | 0.2480000 | 0.2865364 | 0.2865364 | 0.001 | 15.54 | 90.00 | AVRG |
| hloroethane | 0.0890000 | 0.0928866 | 0.0928866 | 0.001 | 4.37 | 90.00 | AVRG |
| richlorofluoromethane | 0.6050000 | 0.6170319 | 0.6170319 | 0.001 | 1.99 | 90.00 | AVRG |
| ,1-Dichloroethene | 0.2410000 | 0.2534785 | 0.2534785 | 0.001 | 5.18 | 20.00 | AVRG |
| arbon disulfide | 0.9200000 | 0.9248642 | 0.9248642 | 0.001 | 0.53 | 90.00 | AVRG |
| ,1,2-trichloro-1,2,2-triflu | 0.4300000 | 0.4500187 | 0.4500187 | 0.001 | 4.66 | 90.00 | AVRG |
| etone | 628.70038 | 625.00000 | 0.0443402 | 0.001 | 0.59 | 90.00 | 2RDR |
| ethylene Chloride | 0.2680000 | 0.2785478 | 0.2785478 | 0.001 | 3.94 | 90.00 | AVRG |
| rans-1,2-Dichloroethene | 0.2640000 | 0.2667053 | 0.2667053 | 0.001 | 1.02 | 90.00 | AVRG |
| ethyl-tert-butyl ether | 0.6960000 | 0.6191970 | 0.6191970 | 0.001 | -11.03 | 90.00 | AVRG |
| -1-Dichloroethane | 0.4060000 | 0.3904266 | 0.3904266 | 0.1 | -3.84 | 90.00 | AVRG |
| -1,2-Dichloroethene | 0.2900000 | 0.2878508 | 0.2878508 | 0.001 | -0.74 | 90.00 | AVRG |
| utanone | 635.12748 | 625.00000 | 0.0667631 | 0.001 | 1.62 | 90.00 | 2RDR |
| hloroform | 0.5740000 | 0.5396758 | 0.5396758 | 0.001 | -5.98 | 20.00 | AVRG |
| ,1,1-Trichloroethane | 0.5560000 | 0.4949877 | 0.4949877 | 0.001 | -10.97 | 90.00 | AVRG |
| arbon Tetrachloride | 0.5390000 | 0.4630996 | 0.4630996 | 0.001 | -14.08 | 90.00 | AVRG |
| enene | 0.8350000 | 0.8458789 | 0.8458789 | 0.001 | 1.30 | 90.00 | AVRG |
| ,2-Dichloroethane | 0.3860000 | 0.3200522 | 0.3200522 | 0.001 | -17.08 | 90.00 | AVRG |
| richloroethene | 0.2300000 | 0.2398167 | 0.2398167 | 0.001 | 4.27 | 90.00 | AVRG |
| ,2-Dichloropropane | 0.1960000 | 0.1844228 | 0.1844228 | 0.001 | -5.91 | 20.00 | AVRG |
| romodichloromethane | 0.4240000 | 0.3779694 | 0.3779694 | 0.001 | -10.86 | 90.00 | AVRG |
| is-1,3-Dichloropropene | 0.3850000 | 0.3651922 | 0.3651922 | 0.001 | -5.14 | 90.00 | AVRG |
| -Methyl-2-pentanone | 0.2360000 | 0.2395985 | 0.2395985 | 0.001 | 1.52 | 90.00 | AVRG |
| luene | 0.9340000 | 0.9196571 | 0.9196571 | 0.001 | -1.54 | 20.00 | AVRG |
| rans-1,3-Dichloropropene | 0.5830000 | 0.5117167 | 0.5117167 | 0.001 | -12.23 | 90.00 | AVRG |
| ,1,2-Trichloroethane | 0.3600000 | 0.3609267 | 0.3609267 | 0.001 | 0.26 | 90.00 | AVRG |
| etrachloroethene | 0.3690000 | 0.4012082 | 0.4012082 | 0.001 | 8.73 | 90.00 | AVRG |
| -hexanone | 0.1680000 | 0.1601201 | 0.1601201 | 0.001 | -4.69 | 90.00 | AVRG |
| ibromochloromethane | 0.5910000 | 0.5435285 | 0.5435285 | 0.001 | -8.03 | 90.00 | AVRG |
| ,2-Dibromoethane | 0.4320000 | 0.4116702 | 0.4116702 | 0.001 | -4.70 | 90.00 | AVRG |
| lorobenzene | 0.9720000 | 0.9415503 | 0.9415503 | 0.3 | -3.13 | 90.00 | AVRG |
| hylbenzene | 0.4780000 | 0.4468667 | 0.4468667 | 0.001 | -6.51 | 20.00 | AVRG |
| tyrene | 1.0320000 | 0.9120219 | 0.9120219 | 0.001 | -11.62 | 90.00 | AVRG |
| omoform | 0.4340000 | 0.4435914 | 0.4435914 | 0.1 | 2.21 | 90.00 | AVRG |
| sopropyl Benzene | 1.6860000 | 1.5192377 | 1.5192377 | 0.001 | -9.89 | 90.00 | AVRG |
| ,1,2,2-Tetrachloroethane | 0.8780000 | 0.7669232 | 0.7669232 | 0.3 | -12.65 | 90.00 | AVRG |
| .3-Dichlorobenzene | 1.5720000 | 1.4306808 | 1.4306808 | 0.001 | -8.99 | 90.00 | AVRG |
| .4-Dichlorobenzene | 1.6210000 | 1.4893542 | 1.4893542 | 0.001 | -8.12 | 90.00 | AVRG |
| .2-Dichlorobenzene | 1.4420000 | 1.3332912 | 1.3332912 | 0.001 | -7.54 | 90.00 | AVRG |

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: Q2849

Instrument ID: 5972HP59

Calibration Date: 01/24/03

Time: 1109

Lab File ID: GS030125A59

Init. Calib. Date(s): 01/09/03

01/09/03

Init. Calib. Times: 1133

1340

GC Column: ZB-624

ID: 0.32 (mm)

| COMPOUND | RRF or AMOUNT | RRF50 or AMOUNT | CCAL RRF50 | MIN RRF | %D or %DRIFT | MAX %D or %DRIFT | CURV TYPE |
|---------------------------------------|------------------|-----------------------|---------------|------------|-----------------|---------------------|--------------|
| 1,1-Dichlorodifluoromethane | 0.4920000 | 0.5421594 | 0.5421594 | 0.001 | 10.20 | 90.00 | AVRG |
| 1,1-Dichloromethane | 0.2470000 | 0.2510235 | 0.2510235 | 0.1 | 1.63 | 90.00 | AVRG |
| Vinyl Chloride | 0.2050000 | 0.2060198 | 0.2060198 | 0.001 | 0.50 | 20.00 | AVRG |
| 1,1-Dichloromethane | 0.2480000 | 0.2527513 | 0.2527513 | 0.001 | 1.92 | 90.00 | AVRG |
| 1,1-Dichloroethane | 0.0890000 | 0.0878911 | 0.0878911 | 0.001 | -1.24 | 90.00 | AVRG |
| 1,1-Dichlorofluoromethane | 0.6050000 | 0.6770654 | 0.6770654 | 0.001 | 11.91 | 90.00 | AVRG |
| 1,1-Dichloroethene | 0.2410000 | 0.2330166 | 0.2330166 | 0.001 | -3.31 | 20.00 | AVRG |
| Carbon disulfide | 0.9200000 | 0.8291021 | 0.8291021 | 0.001 | -9.88 | 90.00 | AVRG |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.4300000 | 0.3737410 | 0.3737410 | 0.001 | -13.08 | 90.00 | AVRG |
| Acetone | 572.24178 | 625.00000 | 0.0405248 | 0.001 | -8.44 | 90.00 | 2RDR |
| Ethylene Chloride | 0.2680000 | 0.2815716 | 0.2815716 | 0.001 | 5.06 | 90.00 | AVRG |
| trans-1,2-Dichloroethene | 0.2640000 | 0.2610676 | 0.2610676 | 0.001 | -1.11 | 90.00 | AVRG |
| Ethyl-tert-butyl ether | 0.6960000 | 0.6030309 | 0.6030309 | 0.001 | -13.36 | 90.00 | AVRG |
| 1,1-Dichloroethane | 0.4060000 | 0.3942011 | 0.3942011 | 0.1 | -2.91 | 90.00 | AVRG |
| trans-1,2-Dichloroethene | 0.2900000 | 0.2927664 | 0.2927664 | 0.001 | 0.95 | 90.00 | AVRG |
| 2-Butanone | 586.34929 | 625.00000 | 0.0618777 | 0.001 | -6.18 | 90.00 | 2RDR |
| Chloroform | 0.5740000 | 0.5519930 | 0.5519930 | 0.001 | -3.83 | 20.00 | AVRG |
| 1,1,1-Trichloroethane | 0.5560000 | 0.4757958 | 0.4757958 | 0.001 | -14.42 | 90.00 | AVRG |
| Carbon Tetrachloride | 0.5390000 | 0.4294168 | 0.4294168 | 0.001 | -20.33 | 90.00 | AVRG |
| 1,2-Dichloroethane | 0.8350000 | 0.8376675 | 0.8376675 | 0.001 | 0.32 | 90.00 | AVRG |
| 1,2-Dichloroethene | 0.3860000 | 0.3218400 | 0.3218400 | 0.001 | -16.62 | 90.00 | AVRG |
| 1,2-Dichloropropane | 0.2300000 | 0.2372686 | 0.2372686 | 0.001 | 3.16 | 90.00 | AVRG |
| 1,2-Dichloropropane | 0.1960000 | 0.1994778 | 0.1994778 | 0.001 | 1.77 | 20.00 | AVRG |
| 1,1-Dichlorodifluoromethane | 0.4240000 | 0.3892176 | 0.3892176 | 0.001 | -8.20 | 90.00 | AVRG |
| trans-1,3-Dichloropropene | 0.3850000 | 0.3713317 | 0.3713317 | 0.001 | -3.55 | 90.00 | AVRG |
| 2-Methyl-2-pentanone | 0.2360000 | 0.2097398 | 0.2097398 | 0.001 | -11.13 | 90.00 | AVRG |
| 1,2-Dichloroethane | 0.9340000 | 0.8998088 | 0.8998088 | 0.001 | -3.66 | 20.00 | AVRG |
| trans-1,3-Dichloropropene | 0.5830000 | 0.5119263 | 0.5119263 | 0.001 | -12.19 | 90.00 | AVRG |
| 1,1,2-Trichloroethane | 0.3600000 | 0.3526338 | 0.3526338 | 0.001 | -2.05 | 90.00 | AVRG |
| 1,2-Dichloroethene | 0.3690000 | 0.3801399 | 0.3801399 | 0.001 | 3.02 | 90.00 | AVRG |
| 2-Hexanone | 0.1680000 | 0.1439167 | 0.1439167 | 0.001 | -14.34 | 90.00 | AVRG |
| 1,1-Dibromochloromethane | 0.5910000 | 0.5363899 | 0.5363899 | 0.001 | -9.24 | 90.00 | AVRG |
| 1,2-Dibromoethane | 0.4320000 | 0.3862763 | 0.3862763 | 0.001 | -10.58 | 90.00 | AVRG |
| 1,2-Dichlorobenzene | 0.9720000 | 0.9224477 | 0.9224477 | 0.3 | -5.10 | 90.00 | AVRG |
| 1,2-Dichlorobenzene | 0.4780000 | 0.4375418 | 0.4375418 | 0.001 | -8.46 | 20.00 | AVRG |
| 1,2-Dichlorobenzene | 1.0320000 | 0.9206453 | 0.9206453 | 0.001 | -10.79 | 90.00 | AVRG |
| 1,2-Dichlorobenzene | 0.4340000 | 0.4209752 | 0.4209752 | 0.1 | -3.00 | 90.00 | AVRG |
| 1,2-Dichlorobenzene | 1.6860000 | 1.4684828 | 1.4684828 | 0.001 | -12.90 | 90.00 | AVRG |
| 1,2,2-Tetrachloroethane | 0.8780000 | 0.7057116 | 0.7057116 | 0.3 | -19.62 | 90.00 | AVRG |
| 1,3-Dichlorobenzene | 1.5720000 | 1.4048988 | 1.4048988 | 0.001 | -10.63 | 90.00 | AVRG |
| 1,4-Dichlorobenzene | 1.6210000 | 1.4438397 | 1.4438397 | 0.001 | -10.93 | 90.00 | AVRG |
| 1,2-Dichlorobenzene | 1.4420000 | 1.3016084 | 1.3016084 | 0.001 | -9.74 | 90.00 | AVRG |

Page 1 of 2

FORM VII VOA

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INORGANIC CASE SUMMARY NARRATIVE
SDG# Q2849
CONTRACT # SW-846

The indicated Sample Delivery Group (SDG) consisting of thirteen (13) water samples was received into the laboratory management system (LMS) on January 15, 16, 21, 2003 in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were analyzed for arsenic and iron using methods delineated in the SW-846 update III.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, CCB) and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within SW-846 allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCSW & PBW) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike WG22538-1 (GW-MW-115S) was inside control limits for all requested analytes. The sample matrix spike duplicate, WG22538-2 (GW-MW-115SD) was inside control limits for all requested analytes.

SW-846 control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more; in this case effected analytes are not flagged even if recoveries fall outside percentage recovery control limits.

The sample matrix duplicate, WG22538-3 (GW-MW-115D) was inside control limits for all requested analytes.


SW-846 control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample, Q2849-11 (GW-MW-115L) was performed in accordance with SW-846 requirements for ICP analysis.

The adjusted sample concentrations were inside control limits for all requested analytes.

SW-846 control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.


Mary K. Powell
Inorganic Case Auditor
January 28, 2003

Note: This report is paginated for reference and accountability.

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | M |
|---------|-----------------------------|---|-------------------------------------|---|------|---|------|---|-------------------|---|---|
| | C | | 1 | C | 2 | C | 3 | C | C | | |
| Arsenic | 3.6 | U | 3.6 | U | 3.6 | U | 3.6 | U | 3.600 | U | P |
| Iron | 15.0 | U | 22.1 | B | 15.0 | U | 21.5 | B | 15.000 | U | P |

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|---------|--------------------------------------|---|--|---|------|---|------|---|----------------------|---|---|
| | | | 4 | C | 5 | C | 6 | C | | | |
| Arsenic | | | 3.6 | U | 3.6 | U | 3.6 | U | | | P |
| Iron | | | 19.5 | B | 23.0 | B | 21.4 | B | | | P |

SW-846 METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____
 Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849
 Preparation Blank Matrix (soil/water): WATER
 Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | Preparation Blank | C | M |
|---------|--------------------------------------|---|--|---|--------|---|----------------------|---|---|
| | | | 2 1 | C | 8 7 | C | 3 | C | |
| Arsenic | | | 3.6 | U | 3.6 | U | | | P |
| Iron | | | 30.4 | B | 15.0 | U | | | P |

CompuChem

a Division of Liberty Analytical Corp.

501 Madison Avenue Cary, NC 27513

INORGANIC CASE SUMMARY NARRATIVE

SDG # R2849

PROTOCOL #SW-846

The indicated Sample Delivery Group (SDG) consisting of thirteen (13) dissolved water samples was received into the laboratory management system (LIMS) on January 15, 16, and 21, 2003 intact and in good condition with Chains of Custody (COC) records in order. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were analyzed for dissolved arsenic and iron using analytical methods delineated in SW-846 (Third Edition)-Update III.

SAMPLE IDs:

Customer IDs and correlating laboratory IDs are listed on the cover page.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within SW-846 allowable limits.

DISSOLVED SAMPLE QUALITY CONTROL:

The sample quality control verifications (LCSW & PBW) were found to be within acceptable ranges and all dissolved samples were analyzed within the contract specified holding times.

SAMPLE PREPARATION QUALITY CONTROL:

41.63
2
The ~~mercury~~ sample preparation procedure verifications (LCSW & PBW) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, CCN = WG22539-1 (GW-MW-115S) and the sample matrix spike duplicate, CCN = WG22539-2 (GW-MW-115SD) were found to be inside control limits for the requested analytes.

SW-846 control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more. In this case, affected analytes are not flagged even if recoveries are outside percentage recovery control limits.

The sample matrix duplicate, CCN = WG22539-3 (GW-MW-115D) was inside control limits for the requested analytes.

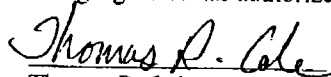
SW-846 control limits for duplicate determinations are $\pm 20\%$ Relative Percent Difference (RPD) for concentrations greater than or equal to five times the PQL in both the original and duplicate samples, and \pm the PQL for concentrations less than five times the PQL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample, CCN = R2849-9 (GW-MW-115L) was performed in accordance with SW-846 requirements for ICP analysis.

The adjusted sample concentrations were inside control limits for the requested analytes.

SW-846 control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.



Thomas R. Cole

Data Reviewer II

January 27, 2003

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849

AA CRDL Standard Source: _____

ICP CRDL Standard Source: HIPUR

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | | |
|---------|------|-------|----|-----------------------|--------|-------|-------|----|--|
| | True | Found | %R | Initial | | | Final | | |
| | True | Found | %R | True | Found | %R | Found | %R | |
| Arsenic | | | | 10.0 | 9.35 | 93.5 | | | |
| Iron | | | | 100.0 | 112.67 | 112.7 | | | |

Control Limits: no limits have been established by EPA at this time

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2849Instrument ID Number: P3Method: PStart Date: 01/24/03End Date: 01/24/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K I | S E | A G | N A | T L | V N |
| S0 | 1.00 | 0936 | | | | X | | | | | | | | X | | | | | | | | | | | |
| S | 1.00 | 0945 | | | | | | | | | | | | | | | | | | | | | | | |
| S | 1.00 | 0952 | | | | | | | | | | | | X | | | | | | | | | | | |
| S | 1.00 | 0957 | | | | X | | | | | | | | | | | | | | | | | | | |
| S | 1.00 | 1004 | | | | | | | | | | | | | | | | | | | | | | | |
| S | 1.00 | 1009 | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1016 | | | | | | | | | | | | X | | | | | | | | | | | |
| ICV | 1.00 | 1024 | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1032 | | | | X | | | | | | | | | | | | | | | | | | | |
| ICB | 1.00 | 1040 | | | | X | | | | | | | | X | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1049 | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1057 | | | | X | | | | | | | | X | | | | | | | | | | | |
| ICSAB | 1.00 | 1109 | | | | X | | | | | | | | X | | | | | | | | | | | |
| CCV | 1.00 | 1117 | | | | X | | | | | | | | X | | | | | | | | | | | |
| CCB | 1.00 | 1126 | | | | X | | | | | | | | X | | | | | | | | | | | |
| LRS | 1.00 | 1134 | | | | X | | | | | | | | X | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1143 | | | | | | | | | | | | X | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1151 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1200 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1208 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1216 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1225 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1233 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1241 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1250 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1258 | | | | X | | | | | | | | X | | | | | | | | | | | |
| CCB | 1.00 | 1306 | | | | X | | | | | | | | X | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1315 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1323 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1331 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1340 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1348 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1356 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1405 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1413 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1426 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1434 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1442 | | | | X | | | | | | | | X | | | | | | | | | | | |

37

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: R2849

Instrument ID Number: P3 Method: P

Start Date: 01/24/03 End Date: 01/24/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|---|---|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K | S E | A G | A L | T | V | Z N | C N |
| CCB | 1.00 | 1451 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1459 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1508 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1519 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1527 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1536 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1544 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1552 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1601 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1609 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1617 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1626 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 1634 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1643 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1651 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1659 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1708 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1716 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1724 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1733 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1741 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1749 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1758 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1806 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 1814 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1823 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1831 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1840 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1848 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1856 | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBW | 1.00 | 1905 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| LCSW | 1.00 | 1913 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| GW-MW-115 | 1.00 | 1921 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| GW-MW-115S | 1.00 | 1930 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| GW-MW-115SD | 1.00 | 1938 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| CCV | 1.00 | 1946 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 1955 | | | | X | | | | | | | | X | | | | | | | | | | | | | |
| GW-MW-115D | 1.00 | 2003 | | | | X | | | | | | | | X | | | | | | | | | | | | | |

38

SW-846 METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM

Contract: _____

Lab Code: LIBRTY

Case No.: _____

SAS No.: _____

SDG No.: R2849Instrument ID Number: P3Method: PStart Date: 01/24/03End Date: 01/24/03

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K S | S E | A G | N A | T L | V N |
| GW-MW-115L | 5.00 | 2012 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-6MW-3D | 1.00 | 2020 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-6MW-6 | 1.00 | 2028 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-GW-117 | 1.00 | 2037 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-GW-118 | 1.00 | 2045 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-GW-118D | 1.00 | 2053 | | | | X | | | | | | | | X | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2102 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2110 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2118 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 2127 | | | | X | | | | | | | | X | | | | | | | | | | | |
| CCB | 1.00 | 2135 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-6MW-5D | 1.00 | 2143 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-6MW-5S | 1.00 | 2152 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-6MW-7 | 1.00 | 2200 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-6MW-3S | 1.00 | 2208 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-6MW-8 | 1.00 | 2217 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-6MW-4 | 1.00 | 2225 | | | | X | | | | | | | | X | | | | | | | | | | | |
| GW-6MW-4D | 1.00 | 2233 | | | | X | | | | | | | | X | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2242 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2250 | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 2258 | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 2307 | | | | X | | | | | | | | X | | | | | | | | | | | |
| CCB | 1.00 | 2315 | | | | X | | | | | | | | X | | | | | | | | | | | |



To: Anthony Pace
Associate - Malcolm Pirnie, Inc.

From: Peter R. Fairbanks RF
Senior Chemist - URS

Mary E. Bitka WAB
Project Manager - URS

Date: September 21, 2004

Subject: Organic Data Validation Report for 80th Division Reserve Site, Fort Story,
Virginia
June 14-18, 2004 Groundwater Sampling Event
Sample Delivery Group No. 3340

Data Validation Narrative

Twelve groundwater samples, two field duplicates, and one matrix spike/matrix spike duplicate (MS/MSD) pair were collected from June 14-18, 2004 at the 80th Division Reserve Site located in Fort Story, Virginia. The samples were analyzed by CompuChem Laboratories of Cary, North Carolina. The data were validated to United States Environmental Protection Agency (USEPA) Region III Level M-2.

The data package was reviewed following USEPA guidelines presented in *Region III Modifications to National Functional Guidelines for Organic Data Review*, September 1994 and *Region III Innovative Approaches to Data Validation*, June 1995.

The text of this report only addresses those problems that affect data usability. The following appendices are included with this Data Validation Report:

Appendices

- Appendix A - Sample and Analysis Summary
- Appendix B - Glossary of Data Qualifiers
- Appendix C - Laboratory Results (Form Is)
- Appendix D - Support Documentation

Overview

Twelve groundwater samples, two field duplicates, and one MS/MSD pair were collected from June 14-18, 2004 at the 80th Division Reserve Site located in Fort Story, Virginia. The samples were analyzed by CompuChem Laboratories of Cary, North Carolina. The samples were analyzed for the following parameters:

| <u>Parameter</u> | <u>Method No.</u> |
|---|-------------------|
| Target Compound List (TCL) Volatile Organic Compounds (VOCs) | SW8260B |

A sample and analysis summary is presented in Appendix A. The analytical results were reported in laboratory Sample Delivery Group (SDG) No. 3340. The data package was consistent with USEPA Contract Laboratory Program (CLP) requirements, except where noted in subsequent sections of this report.

The data were validated to USEPA Region III Level M-2. A glossary of data qualifiers is presented in Appendix B. The USEPA Region III hierarchy of qualifiers is as follows: "R", "B", "L", "K", and "J".

All detected sample concentrations were below the 10-day "Chemical Health Advisory Level" listed in the USEPA Region III *Innovative Approaches to Data Validation*, June 1995.

Summary

The samples were successfully analyzed, with exceptions noted in subsequent sections of this report. Data that were determined to be unusable are discussed in the "Major Problems" and "Notes" section of this report. Copies of the validated laboratory results (Form 1s) are presented in Appendix C. Support documentation is presented in Appendix D.

Major Problems

Major problems are those considered to have a serious effect on the usability of the data, which result in the rejection ("R") of data due to severe quality control (QC) exceedances from the referenced method. The following data have been rejected ("R").

- The VOC continuing calibration (CCAL) performed on 06/23/04 exhibited a low relative response factor (RRF) (i.e., <0.050) for acetone. The acetone results (all non-detect) for all groundwater samples (except MW-03 and MW-07, which are not associated with this CCAL) were qualified "R" (rejected). Supporting documentation (i.e., laboratory Forms 5 and 7B) is presented in Appendix D.

Minor Problems

Minor problems are those that reflect biases identified during the data review, which may result in the qualification of sample results as biased low ("L/UL"), biased high ("K"), or estimated ("J/UJ").

- The VOC CCAL performed on 06/23/04 exhibited an elevated percent difference (%D) (i.e., >50%) for bromomethane. The bromomethane results (all non-detect) for all groundwater samples (except MW-03 and MW-07, which are not associated with this

CCAL) were qualified as estimated ("UJ"). Supporting documentation (i.e., laboratory Forms 5 and 7B) is presented in Appendix D.

Notes

Sample Custody Documentation

All samples were received at the laboratory intact and under proper chain-of-custody (COC) documentation, except for the following instances.

- Groundwater sample MW-12 was collected on 06/14/04 and 06/15/04. In order to differentiate between the two samples, the laboratory added the suffix "06/15/04" to the second sample ID.
- On the COC associated with samples collected on 06/16/04, the laboratory noted that two 40-ml VOA vials (trip blank) were received, but were not documented accordingly. The laboratory did not report any trip blank results with this SDG.

Blank Review

Two target compounds were detected in the method blanks as summarized in Table 1, which lists the maximum concentrations detected. Also, one tentatively identified compound (TIC) was detected in the VOC method blanks. Supporting documentation (i.e., laboratory Form 1 and 4) is presented in Appendix D.

USEPA Region III validation guidelines require associated sample concentrations less than five times for all target compounds/analytes and 10 times for TICs to be qualified "B". In addition, TICs qualified "B" are also crossed out on Form 1 VOC-TIC. The samples associated with the contaminated method blank did not contain any affected target compounds or TICs. No qualification of the data was necessary.

Field Duplicate Precision

The following field duplicates were collected during this sampling event:

| <u>Field Duplicate ID</u> | <u>Parent Sample ID</u> |
|---------------------------|-------------------------|
| MW-01-DUP | MW-01 |
| MW-06-DUP | MW-06 |

A summary of field precision is presented in Table 2 for sample MW-06 only, because there were no target compounds detected in sample MW-01 and MW-01-DUP. No qualification of data was made based on field duplicate precision, as per the USEPA Region III validation guidelines.

Matrix Spike/Matrix Spike Duplicate

MS/MSD analyses were performed on sample MW-10. The MS/MSD analyses and associated laboratory control samples (LCSs) generally exhibited good precision and accuracy. No qualification of data was made based on field MS/MSD accuracy and precision, as per the USEPA Region III validation guidelines.

Reporting Variances

The following analytical result reporting variance, requiring no data validation qualification, was noted during the data review:

- The validated dates of sample receipt at the laboratory were incorrectly documented in the case narrative. The case narrative was manually revised during the data review to reflect the correct dates of sample receipt.

TABLE 1
MAXIMUM CONCENTRATION OF ANALYTES IN QC BLANKS
FORT STORY - 80th DIVISION RESERVE SITE
SDG No. 3340

| Compound | Method Blanks (ug/L) |
|-----------------------------|----------------------------|
| Bromomethane | 1.2 |
| 1,2,4-Trichlorobenzene | 2.3 |
| 1,4-Dichloro-1-butene (TIC) | 5.4 |

--- - Non-Detect

TIC - Tentatively Identified Compound

TABLE 2
FIELD DUPLICATE PRECISION
FORT STORY - 80th DIVISION RESERVE SITE
SDG No. 3340

| PRIMARY SAMPLE ID | FIELD DUPLICATE SAMPLE ID | ANALYTE | UNITS | PRIMARY ANALYTE CONCENTRATION | DUPLICATE ANALYTE CONCENTRATION | RPD (%) |
|----------------------|---------------------------------|------------------------|-------|----------------------------------|---------------------------------------|------------|
| MW-06 | MW-06-DUP | cis-1,2-Dichloroethene | ug/L | 1.8 | 1.9 | 5.4 |
| | | Trichloroethene | ug/L | 1.7 | 1.5 | 12.5 |
| | | Tetrachloroethene | ug/L | ND | 1.2 | NC |

ND - Non-Detect
NC - Not Calculable

Only analytes detected in sample and/or duplicate are shown.

APPENDIX A
SAMPLE AND ANALYSIS SUMMARY

**APPENDIX A
SAMPLE AND ANALYSIS SUMMARY
FORT STORY - 80th DIVISION RESERVE SITE**

| SDG No. | Sample ID | Matrix | Date of Collection | VOCs | Comments |
|----------------|------------------|---------------|---------------------------|-------------|-----------------|
| 3340 | MW-12 | Groundwater | 06/14/04 | X | --- |
| | MW-12-06/15/04 | Groundwater | 06/15/04 | X | --- |
| | MW-11 | Groundwater | 06/15/04 | X | --- |
| | MW-10 | Groundwater | 06/15/04 | X | MS/MSD |
| | MW-06 | Groundwater | 06/16/05 | X | --- |
| | MW-06-DUP | Groundwater | 06/16/05 | X | Field Duplicate |
| | MW-05 | Groundwater | 06/16/05 | X | --- |
| | MW-09 | Groundwater | 06/17/04 | X | --- |
| | MW-08 | Groundwater | 06/17/04 | X | --- |
| | MW-01 | Groundwater | 06/17/04 | X | --- |
| | MW-01-DUP | Groundwater | 06/17/04 | X | Field Duplicate |
| | MW-02 | Groundwater | 06/17/04 | X | --- |
| | MW-03 | Groundwater | 06/17/04 | X | --- |
| | MW-07 | Groundwater | 06/18/04 | X | --- |

Notes:

X - Parameter requested.

--- - No comment.

MS/MSD - Matrix Spike/Matrix Spike Duplicate

APPENDIX B

GLOSSARY OF DATA QUALIFIERS

GLOSSARY OF DATA QUALIFIERS

For the purposes of Region III Data Validation, the following code letters and associated definitions are provided:

- U** - Not detected. The associated number indicates approximate sample concentration necessary to be detected.
- B** - Not detected substantially above the level reported in the laboratory or field blanks.
- R** - Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.
- J** - Analyte present. Reported value may not be accurate or precise.
- K** - Analyte present. Reported value may be biased high. Actual value is expected lower.
- L** - Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- N** - Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.
- UJ** - Not detected. Quantitation limit may be inaccurate or imprecise.
- UL** - Not detected. Quantitation limit is probably higher.
- NJ** - Qualitative identification questionable due to poor resolution. Presumptively present at an approximate quantity.
- D** - The reported value is from a secondary dilution.

APPENDIX C
LABORATORY RESULTS
(Form Is)

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-01

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334010

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334010B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec.

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5.0 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

8/22/04
A

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-01

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334010

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334010B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|-----------|-----------------------------|--|---|---|
| 108-90-7 | Chlorobenzene | 5.0 | U | |
| 100-41-4 | Ethylbenzene | 5.0 | U | |
| 100-42-5 | Styrene | 5.0 | U | |
| 75-25-2 | Bromoform | 5.0 | U | |
| 98-82-8 | Isopropyl Benzene | 5.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5.0 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5.0 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5.0 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5.0 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5.0 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5.0 | U | |
| 1330-20-7 | Xylene (total) | 5.0 | U | |
| 79-20-9 | Methyl acetate | 5.0 | U | |
| 110-82-7 | Cyclohexane | 5.0 | U | |
| 108-87-2 | Methylcyclohexane | 5.0 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-01

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334010

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334010B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-01 DUP

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334011

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334011B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3----- | Chloromethane | 5.0 | U |
| 75-01-4----- | Vinyl Chloride | 5.0 | U |
| 74-83-9----- | Bromomethane | 5.0 | U |
| 75-00-3----- | Chloroethane | 5.0 | U |
| 75-69-4----- | Trichlorofluoromethane | 5.0 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0----- | Carbon disulfide | 5.0 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5.0 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3----- | 2-butanone | 5.0 | U |
| 67-66-3----- | Chloroform | 13 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5----- | Carbon Tetrachloride | 5.0 | U |
| 71-43-2----- | Benzene | 5.0 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6----- | Trichloroethene | 5.0 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4----- | Bromodichloromethane | 5.0 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 13 | U |
| 108-88-3----- | Toluene | 5.0 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4----- | Tetrachloroethene | 5.0 | U |
| 591-78-6----- | 2-hexanone | 13 | U |
| 124-48-1----- | Dibromochloromethane | 5.0 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5.0 | U |

FORM 1 VOA

42264
2

13

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-01 DUP

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334011

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334011B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 5.0 | U |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM 1 VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-01 DUP

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334011

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334011B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-02

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334012

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334012B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5.0 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

8/25/04

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-02

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334012

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334012B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|----------------|-----------------------------|--|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 5.0 | U |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-02

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334012

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334012B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-03

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334013

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334013RB61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3----- | Chloromethane | 5.0 | U |
| 75-01-4----- | Vinyl Chloride | 5.0 | U |
| 74-83-9----- | Bromomethane | 5.0 | U |
| 75-00-3----- | Chloroethane | 5.0 | U |
| 75-69-4----- | Trichlorofluoromethane | 5.0 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0----- | Carbon disulfide | 5.0 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5.0 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3----- | 2-butanone | 5.0 | U |
| 67-66-3----- | Chloroform | 13 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5----- | Carbon Tetrachloride | 5.0 | U |
| 71-43-2----- | Benzene | 5.0 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6----- | Trichloroethene | 5.0 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4----- | Bromodichloromethane | 5.0 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3----- | Toluene | 13 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4----- | Tetrachloroethene | 5.0 | U |
| 591-78-6----- | 2-hexanone | 5.0 | U |
| 124-48-1----- | Dibromochloromethane | 13 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-03

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334013

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334013RB61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 5.0 | U |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-03

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334013

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334013RB61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
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| 29. | | | | |
| 30. | | | | |

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-05

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334007

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334007B61

Level: (low/med) LOW

Date Received: 06/17/04

% Moisture: not dec.

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|------------|------------------------------|-----|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5.0 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 2.1 | J |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

8/23/04

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-05

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334007

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334007B61

Level: (low/med) LOW

Date Received: 06/17/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 5.0 | U |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-05

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334007

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334007B61

Level: (low/med) LOW

Date Received: 06/17/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|---------------|------|------------|----|
| 1. 275-51-4 | AZULENE | 6.63 | 6.8 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-06

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334005

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334005B61

Level: (low/med) LOW

Date Received: 06/17/04

% Moisture: not dec.

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5.0 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 1.8 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 1.7 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

1/23/04

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-06

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334005

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334005B61

Level: (low/med) LOW

Date Received: 06/17/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|-----------|-----------------------------|--|---|---|
| 108-90-7 | Chlorobenzene | 5.0 | U | |
| 100-41-4 | Ethylbenzene | 5.0 | U | |
| 100-42-5 | Styrene | 5.0 | U | |
| 75-25-2 | Bromoform | 5.0 | U | |
| 98-82-8 | Isopropyl Benzene | 5.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5.0 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5.0 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5.0 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5.0 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5.0 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5.0 | U | |
| 1330-20-7 | Xylene (total) | 5.0 | U | |
| 79-20-9 | Methyl acetate | 5.0 | U | |
| 110-82-7 | Cyclohexane | 5.0 | U | |
| 108-87-2 | Methylcyclohexane | 5.0 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-06

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334005

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334005B61

Level: (low/med) LOW

Date Received: 06/17/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|---------------|------|------------|----|
| 1. 275-51-4 | AZULENE | 6.64 | 8.9 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-06 DUP

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334006

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334006B61

Level: (low/med) LOW

Date Received: 06/17/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|-----------------|------------------------------|-----|----------------|
| 75-71-8----- | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3----- | Chloromethane | 5.0 | U |
| 75-01-4----- | Vinyl Chloride | 5.0 | U |
| 74-83-9----- | Bromomethane | 5.0 | U |
| 75-00-3----- | Chloroethane | 5.0 | U ⁵ |
| 75-69-4----- | Trichlorofluoromethane | 5.0 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0----- | Carbon disulfide | 5.0 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1----- | Acetone | 5.0 | U |
| 75-09-2----- | Methylene Chloride | 13 | U ^R |
| 156-60-5----- | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3----- | 2-butanone | 1.9 | J |
| 67-66-3----- | Chloroform | 13 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5----- | Carbon Tetrachloride | 5.0 | U |
| 71-43-2----- | Benzene | 5.0 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6----- | Trichloroethene | 5.0 | U |
| 78-87-5----- | 1,2-Dichloropropane | 1.5 | J |
| 75-27-4----- | Bromodichloromethane | 5.0 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3----- | Toluene | 13 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4----- | Tetrachloroethene | 5.0 | U |
| 591-78-6----- | 2-hexanone | 1.2 | J |
| 124-48-1----- | Dibromochloromethane | 13 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

12364

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-06 DUP

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334006

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334006B61

Level: (low/med) LOW

Date Received: 06/17/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|-----------|-----------------------------|--|---|
| 108-90-7 | Chlorobenzene | 5.0 | U |
| 100-41-4 | Ethylbenzene | 5.0 | U |
| 100-42-5 | Styrene | 5.0 | U |
| 75-25-2 | Bromoform | 5.0 | U |
| 98-82-8 | Isopropyl Benzene | 5.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7 | Xylene (total) | 5.0 | U |
| 79-20-9 | Methyl acetate | 5.0 | U |
| 110-82-7 | Cyclohexane | 5.0 | U |
| 108-87-2 | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-06 DUP

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334006

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334006B61

Level: (low/med) LOW

Date Received: 06/17/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|----|
| 1. 91-20-3 | NAPHTHALENE | 6.64 | 8.2 | NJ |
| 2. | | | | |
| 3. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM Method: 8260B MW-07
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 3340
Matrix: (soil/water) WATER Lab Sample ID: 334014
Sample wt/vol: 5 (g/ml) ML Lab File ID: 334014B61
Level: (low/med) LOW Date Received: 06/21/04
% Moisture: not dec. Date Analyzed: 06/24/04
GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 U | |
| 74-87-3 | Chloromethane | 5.0 U | |
| 75-01-4 | Vinyl Chloride | 5.0 U | |
| 74-83-9 | Bromomethane | 5.0 U | |
| 75-00-3 | Chloroethane | 5.0 U | |
| 75-69-4 | Trichlorofluoromethane | 5.0 U | |
| 75-35-4 | 1,1-Dichloroethene | 5.0 U | |
| 75-15-0 | Carbon disulfide | 5.0 U | |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 U | |
| 67-64-1 | Acetone | 13 U | |
| 75-09-2 | Methylene Chloride | 5.0 U | |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 U | |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 U | |
| 75-34-3 | 1,1-Dichloroethane | 5.0 U | |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 U | |
| 78-93-3 | 2-butanone | 5.0 U | |
| 67-66-3 | Chloroform | 13 U | |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 U | |
| 56-23-5 | Carbon Tetrachloride | 5.0 U | |
| 71-43-2 | Benzene | 5.0 U | |
| 107-06-2 | 1,2-Dichloroethane | 5.0 U | |
| 79-01-6 | Trichloroethene | 5.0 U | |
| 78-87-5 | 1,2-Dichloropropane | 5.0 U | |
| 75-27-4 | Bromodichloromethane | 5.0 U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 U | |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 U | |
| 108-88-3 | Toluene | 13 U | |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 U | |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 U | |
| 127-18-4 | Tetrachloroethene | 5.0 U | |
| 591-78-6 | 2-hexanone | 5.0 U | |
| 124-48-1 | Dibromochloromethane | 13 U | |
| 106-93-4 | 1,2-Dibromoethane | 5.0 U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-07

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334014

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334014B61

Level: (low/med) LOW

Date Received: 06/29/04

% Moisture: not dec.

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|-----------|-----------------------------|-----|---|
| 108-90-7 | Chlorobenzene | 5.0 | U |
| 100-41-4 | Ethylbenzene | 5.0 | U |
| 100-42-5 | Styrene | 5.0 | U |
| 75-25-2 | Bromoform | 5.0 | U |
| 98-82-8 | Isopropyl Benzene | 5.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7 | Xylene (total) | 5.0 | U |
| 79-20-9 | Methyl acetate | 5.0 | U |
| 110-82-7 | Cyclohexane | 5.0 | U |
| 108-87-2 | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-07

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334014

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334014B61

Level: (low/med) LOW

Date Received: 06/21/04 *Asky*

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-08

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334009

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334009B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec.

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1 | Acetone | 5.0 | U |
| 75-09-2 | Methylene Chloride | 13 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

2/23/04

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-08

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334009

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334009B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 5.0 | U |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-08

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334009

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334009B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|----|------------|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-09

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334008

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334008B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec.

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|---------------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-trifluoroethane | 5.0 | U |
| 67-64-1 | Acetone | 5.0 | U |
| 75-09-2 | Methylene Chloride | 13 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 11 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 7.5 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 6.3 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-09

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334008

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334008B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 5.0 | U |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-09

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334008

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334008B61

Level: (low/med) LOW

Date Received: 06/18/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|---------------|------|------------|----|
| 1. 275-51-4 | AZULENE | 6.64 | 6.0 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-10

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334004

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334004B61

Level: (low/med) LOW

Date Received: 06/16/04

% Moisture: not dec.

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5.0 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-10

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334004

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334004B61

Level: (low/med) LOW

Date Received: 06/16/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 5.0 | U |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-10

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334004

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334004B61

Level: (low/med) LOW

Date Received: 06/16/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|---------------|------|------------|----|
| 1. 275-51-4 | AZULENE | 6.64 | 16 | NJ |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-11

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334003

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334003B61

Level: (low/med) LOW

Date Received: 06/16/04

% Moisture: not dec.

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5.0 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

8/23/04

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-11

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334003

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334003B61

Level: (low/med) LOW

Date Received: 06/16/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 5.0 | U |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-11

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334003

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334003B61

Level: (low/med) LOW

Date Received: 06/16/04

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|----------------------|------|------------|----|
| 1. 259-79-0 | BIPHENYLENE | 4.87 | 24 | NJ |
| 2. 673-32-5 | BENZENE, 1-PROPYNYL- | 5.93 | 5.3 | NJ |
| 3. 91-20-3 | NAPHTHALENE | 6.63 | 38 | NJ |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-12

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334001

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334001B61

Level: (low/med) LOW

Date Received: 06/15/04

% Moisture: not dec.

Date Analyzed: 06/23/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5.0 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM 1 VOA

8/23/07

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-12

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334001

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334001B61

Level: (low/med) LOW

Date Received: 06/15/04

% Moisture: not dec.

Date Analyzed: 06/23/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 5.0 | U |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-12

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334001

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334001B61

Level: (low/med) LOW

Date Received: 06/15/04

% Moisture: not dec. _____

Date Analyzed: 06/23/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|----|
| 1. 95-13-6 | INDENE | 5.93 | 8.8 | NJ |
| 2. 91-20-3 | NAPHTHALENE | 6.62 | 40 | NJ |
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-12-061504

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334002

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334002B61

Level: (low/med) LOW

Date Received: 06/16/04

% Moisture: not dec.

Date Analyzed: 06/23/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|------------------------------|--|---|
| 75-71-8 | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3 | Chloromethane | 5.0 | U |
| 75-01-4 | Vinyl Chloride | 5.0 | U |
| 74-83-9 | Bromomethane | 5.0 | U |
| 75-00-3 | Chloroethane | 5.0 | U |
| 75-69-4 | Trichlorofluoromethane | 5.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0 | Carbon disulfide | 5.0 | U |
| 76-13-1 | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1 | Acetone | 13 | U |
| 75-09-2 | Methylene Chloride | 5.0 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4 | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3 | 2-butanone | 5.0 | U |
| 67-66-3 | Chloroform | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5 | Carbon Tetrachloride | 5.0 | U |
| 71-43-2 | Benzene | 5.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6 | Trichloroethene | 5.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4 | Bromodichloromethane | 5.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3 | Toluene | 13 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4 | Tetrachloroethene | 5.0 | U |
| 591-78-6 | 2-hexanone | 5.0 | U |
| 124-48-1 | Dibromochloromethane | 13 | U |
| 106-93-4 | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM 1 VOA

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

MW-12-061504

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334002

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334002B61

Level: (low/med) LOW

Date Received: 06/16/04

% Moisture: not dec. _____

Date Analyzed: 06/23/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | | Q |
|-----------|-----------------------------|--|---|---|
| 108-90-7 | Chlorobenzene | 5.0 | U | |
| 100-41-4 | Ethylbenzene | 5.0 | U | |
| 100-42-5 | Styrene | 5.0 | U | |
| 75-25-2 | Bromoform | 5.0 | U | |
| 98-82-8 | Isopropyl Benzene | 5.0 | U | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5.0 | U | |
| 541-73-1 | 1,3-Dichlorobenzene | 5.0 | U | |
| 106-46-7 | 1,4-Dichlorobenzene | 5.0 | U | |
| 95-50-1 | 1,2-Dichlorobenzene | 5.0 | U | |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5.0 | U | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5.0 | U | |
| 1330-20-7 | Xylene (total) | 5.0 | U | |
| 79-20-9 | Methyl acetate | 5.0 | U | |
| 110-82-7 | Cyclohexane | 5.0 | U | |
| 108-87-2 | Methylcyclohexane | 5.0 | U | |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

MW-12-061504

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 334002

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 334002B61

Level: (low/med) LOW

Date Received: 06/16/04

% Moisture: not dec. _____

Date Analyzed: 06/23/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|----------------------|------|------------|----|
| 1. 673-32-5 | BENZENE, 1-PROPYNYL- | 5.93 | 6.1 | NJ |
| 2. 91-20-3 | NAPHTHALENE | 6.63 | 32 | NJ |
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FORM I VOA-TIC

APPENDIX D
SUPPORT DOCUMENTATION

CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.

Cary, NC 27513

Phone: 919-379-4100 Fax 919-379-4040

Page 3 of 3

Courier

Airbill No.

Sampling Complete? Y or N

[illegible]

White & Yellow copy to lab • Pink copy for customer



CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier Fed Ex
Airbill No.
Sampling Complete? Y or N

| | | | |
|-----------------|-------------------------|--|-------------------------|
| Company Name | MALCOLM PIRNIE | Project Name | 80M DRS |
| Address | 701 Town Centre Dr #600 | Sampling Location | FT STORY |
| City | Newport News VA | Turnaround time | Std |
| State | VA | Batch QC or Project Specific? If Specific, which Sample ID? | PS = MW-10/MS MW-10/MSD |
| Zip | 23606 | Are aqueous samples field filtered for metals? Y or N | |
| Project Contact | Tony Pace | Are high concentrations expected? Y or N? If yes, which ID(s)? | |
| Phone # | 757 873-8700 | | |
| Sampler's Name | T. King | | |

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinse
WP - Wipe
O - Other

| Field ID | Collection | | Matrix | # of bottles | Number of Preserved Bottles | | | | | | |
|----------|------------|------|--------|--------------|-----------------------------|------|-------|-------|------|-------|--|
| | Date | Time | | | HCl | NaOH | NH4OH | H2SO4 | MeOH | Other | |
| 334002 | MW-12 | 6/15 | 11:30 | GW | 3 | 3 | | | | | |
| 334003 | MW-11 | | 14:00 | | | | | | | | |
| 334004 | MW-10 | | 15:30 | | | | | | | | |
| | MW-10/MS | | 15:40 | | | | | | | | |
| | MW-10/MSD | | 15:50 | | | | | | | | |

VOCs 40000

| | | | |
|---|---|--|-------------------------|
| Sample Unpacked By: J. Purdie | Cyanide samples checked for sulfide & chlorine? Y or NA | * ID same as 6/14/04 need to w/ check w/ 6/14/04 | |
| Sample Order Entry By: J. Purdie | 825 & Phenol samples checked for chlorine? Y or NA | | |
| Samples Received in Good Condition? Y or N | 608 samples checked for pH between 5.0-9.0? Y or NA | | |
| If no, explain: | | | |
| Relinquished by: 2 | Date/Time: 6/15/04 17:20 | Received by: J. Purdie | Date/Time: 6/16/04 9:00 |
| Relinquished by: 8 | Date/Time: | Received by: | Date/Time: |
| Subcontact? Y or N If yes, where? | | | |
| Samples stored 60 days after date report mailed at no extra charge. | Custody Seal(s) intact? Y or N | On Ice? Y or N | Cooler Temp: 2.3 °C |

White & Yellow coov in lab • Pink ones for customer



CHAIN OF CUSTODY

501 Madison Ave.

Cary, NC 27513

Phone: 919-379-4100 Fax 919-379-4040

Coupiers

Airbül No.

Sampling Complete? Y or N

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White & Yellow copy to lab • Pink copy for customer



CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier Red Express
Airbill No. 07
Sampling Complete? Y or N

Company Name MALCOLM PIRNIE, INC
Address 101 TOWN CENTRE DR. #600
City NEWPORT NEWS State VA Zip 23606
Project Contact Tony Pace
Phone # 757-8738700
Sampler's Name Tina Jung

Project Name 80TH DRS
Sampling Location PT STORY
Turnaround time SEA
Batch QC or Project Specific? If Specific, which Sample ID? PS-MW-10/MS & MW-10/MSD
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)?

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinse
WP - Wipe
O - Other

| Field ID | Collection | | Matrix | # of bottles | Number of Preserved Bottles | | | | | | VOCs | | |
|----------|------------|------|--------|--------------|-----------------------------|------|--------------------|--------------------------------|------|-------|------|--|---|
| | Date | Time | | | HCl | NaOH | NH ₄ OH | H ₂ SO ₄ | MeOH | Other | | | |
| | | | | | | | | | | | | | |
| 334008 | MW-09 | 6/17 | 11:00 | GW | 3 | 3 | | | | | | | ✓ |
| 334009 | MW-08 | | 13:00 | | | | | | | | | | ✓ |
| 334010 | MW-01 | | 13:30 | | | | | | | | | | ✓ |
| 334011 | MW-01-DUP | | 13:40 | | | | | | | | | | ✓ |
| 334012 | MW-02 | | 16:00 | | | | | | | | | | ✓ |
| 334013 | MW-03 | | 16:45 | | | | | | | | | | ✓ |
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Sample Unpacked By: MT O'Leary
Sample Order Entry By: MT O'Leary
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Relinquished by: 8 6/17/04

Date/Time: 10:45

Received by: MT O'Leary

Date/Time: 6/18/04 09:40

Subcontract? Y or N If yes, where?

Date/Time:

Received by:

Date/Time:

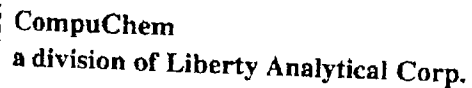
Samples stored 60 days after date report mailed at no extra charge.

Custody Seal(s) intact? Y or N

On Ice? Y or N

Cooler Temp: 2.6 °C

White & Yellow rows in lab • Pink rows for customer



501 Madison Ave.

Cary, NC 27513

Phone: 919-379-4100 Fax 919-379-4040

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|---------|--------|
| Courier | Fed Ex |
|---------|--------|

Airbill No.

Sampling Complete? ☒ Y or ☐ N

| | |
|----------------------------|--------|
| title (method and problem) | author |
|----------------------------|--------|

| |
|-------------------|
| GW - Ground water |
|-------------------|

WW - Waste water

SW - Surface water

SO - Soil/Sediment

TB - Trip Blank

RI - Rinstate

WP - Wipe

O - Other

[illegible]

White & Yellow copy to lab • Pink copy for customer

CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

SDG # 3340

CONTRACT # SW-846 8260B

SAMPLE IDENTIFICATIONS: MW-01, MW-01 DUP, MW-02, MW-03, MW-05, MW-06, MW-06 DUP, MW-07, MW-08, MW-09, MW-10, MW-11, MW-12, MW-12-061504

The fourteen (14) aqueous samples listed above were received intact, refrigerated at a temperature of 2.3 to 4.2°C, with proper documentation, on June 16, 17, 18, and 21, 2004. The samples were scheduled for the requested volatile analysis by method 8260B 5ml purge for the TCL4 group of compounds plus vinyl acetate. 8/23/04

Analysis holding time requirements were met for the samples. The pH values of these samples are tabulated on the attached batch sheets.

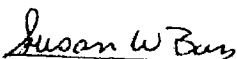
All of the samples were analyzed neat and none of the samples contained a compound above the Contract Required Quantitation Limit (CRQL) except sample MW-09. Tentatively Identified Compounds (TICs) were found samples MW-05, MW-06, MW-06 DUP, MW-09, MW-10, MW-11, MW-12, and MW-12-061504.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria.

A Laboratory control sample was analyzed with each batch for this SDG and passed all QC criteria. Sample MW-10 was used to prepare the matrix spikes. They passed the majority of the precision and accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Susan W. Bass

Director of Laboratory Operations

July 7, 2004

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

Lab Name: COMPUCHEM

Contract: 8260B

VBKBU

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Lab File ID: 37643B61_3340

Lab Sample ID: 37643

Date Analyzed: 06/24/04

Time Analyzed: 2156

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5973HP61

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|----|------------|------------------|----------------|------------------|
| 01 | VBULCS | 37646 | 37646B61_334 | 2222 |
| 02 | MW-03 | 334013 | 334013RB61 | 2312 |
| 03 | MW-07 | 334014 | 334014B61 | 2337 |
| 04 | | | | |
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

VLKBU

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 37643

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 37643B61_3340

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|-----------------|------------------------------|-----|---|
| 75-71-8----- | Dichlorodifluoromethane | 5.0 | U |
| 74-87-3----- | Chloromethane | 5.0 | U |
| 75-01-4----- | Vinyl Chloride | 5.0 | U |
| 74-83-9----- | Bromomethane | 1.2 | J |
| 75-00-3----- | Chloroethane | 5.0 | U |
| 75-69-4----- | Trichlorofluoromethane | 5.0 | U |
| 75-35-4----- | 1,1-Dichloroethene | 5.0 | U |
| 75-15-0----- | Carbon disulfide | 5.0 | U |
| 76-13-1----- | 1,1,2-trichloro-1,2,2-triflu | 5.0 | U |
| 67-64-1----- | Acetone | 13 | U |
| 75-09-2----- | Methylene Chloride | 5.0 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 5.0 | U |
| 1634-04-4----- | Methyl-tert-butyl ether | 5.0 | U |
| 75-34-3----- | 1,1-Dichloroethane | 5.0 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 5.0 | U |
| 78-93-3----- | 2-butanone | 5.0 | U |
| 67-66-3----- | Chloroform | 13 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 5.0 | U |
| 56-23-5----- | Carbon Tetrachloride | 5.0 | U |
| 71-43-2----- | Benzene | 5.0 | U |
| 107-06-2----- | 1,2-Dichloroethane | 5.0 | U |
| 79-01-6----- | Trichloroethene | 5.0 | U |
| 78-87-5----- | 1,2-Dichloropropane | 5.0 | U |
| 75-27-4----- | Bromodichloromethane | 5.0 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 5.0 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | 5.0 | U |
| 108-88-3----- | Toluene | 13 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 5.0 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 5.0 | U |
| 127-18-4----- | Tetrachloroethene | 5.0 | U |
| 591-78-6----- | 2-hexanone | 5.0 | U |
| 124-48-1----- | Dibromochloromethane | 13 | U |
| 106-93-4----- | 1,2-Dibromoethane | 5.0 | U |
| | | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Method: 8260B

VLKBU

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 37643

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 37643B61_3340

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

| | | | |
|----------------|-----------------------------|-----|---|
| 108-90-7----- | Chlorobenzene | 5.0 | U |
| 100-41-4----- | Ethylbenzene | 5.0 | U |
| 100-42-5----- | Styrene | 5.0 | U |
| 75-25-2----- | Bromoform | 5.0 | U |
| 98-82-8----- | Isopropyl Benzene | 5.0 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 5.0 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 5.0 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 5.0 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 5.0 | U |
| 96-12-8----- | 1,2-Dibromo-3-Chloropropane | 5.0 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 5.0 | U |
| 1330-20-7----- | Xylene (total) | 2.3 | J |
| 79-20-9----- | Methyl acetate | 5.0 | U |
| 110-82-7----- | Cyclohexane | 5.0 | U |
| 108-87-2----- | Methylcyclohexane | 5.0 | U |

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 8260B

VBLKBU

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Matrix: (soil/water) WATER

Lab Sample ID: 37643

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 37643B61_3340

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 06/24/04

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---------------|-------------------------|------|------------|----|
| 1. 13676-58-9 | 1-BUTENE, 1,4-DICHLORO- | 5.47 | 5.4 | NJ |
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FORM I VOA-TIC

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCEM Contract: 8260B
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 3340
Lab File ID: BF040623B61 BFB Injection Date: 06/23/04
Instrument ID: 5973HP61 BFB Injection Time: 1720
GC Column: EQUITY624 ID: 0.53 (mm) Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 15.3 |
| 75 | 30.0 - 60.0% of mass 95 | 47.1 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.4 |
| 173 | Less than 2.0% of mass 174 | 0.5 (0.5)1 |
| 174 | Greater than 50.0% of mass 95 | 101.4 |
| 175 | 5.0 - 9.0% of mass 174 | 7.0 (6.9)1 |
| 176 | 95.0 - 101.0% of mass 174 | 99.2 (97.8)1 |
| 177 | 5.0 - 9.0% of mass 176 | 6.7 (6.8)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| 01 VSTD050 | VSTD050 | CS040623B61 | 06/23/04 | 1730 |
| 02 VBLKWU | 36668 | 36668B61 3340 | 06/23/04 | 1759 |
| 03 VWULCS | 36671 | 36671B61 3340 | 06/23/04 | 1826 |
| 04 MW-12 | 334001 | 334001B61 | 06/23/04 | 2330 |
| 05 MW-12-061504 | 334002 | 334002B61 | 06/23/04 | 2355 |
| 06 MW-11 | 334003 | 334003B61 | 06/24/04 | 0021 |
| 07 MW-10 | 334004 | 334004B61 | 06/24/04 | 0046 |
| 08 MW-10MS | 37051 | 37051B61 | 06/24/04 | 0111 |
| 09 MW-10MSD | 37052 | 37052B61 | 06/24/04 | 0137 |
| 10 MW-06 | 334005 | 334005B61 | 06/24/04 | 0202 |
| 11 MW-06 DUP | 334006 | 334006B61 | 06/24/04 | 0227 |
| 12 MW-05 | 334007 | 334007B61 | 06/24/04 | 0252 |
| 13 MW-09 | 334008 | 334008B61 | 06/24/04 | 0318 |
| 14 MW-08 | 334009 | 334009B61 | 06/24/04 | 0343 |
| 15 MW-01 | 334010 | 334010B61 | 06/24/04 | 0408 |
| 16 MW-01 DUP | 334011 | 334011B61 | 06/24/04 | 0433 |
| 17 MW-02 | 334012 | 334012B61 | 06/24/04 | 0459 |
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page 1 of 1

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 3340

Lab File ID: BG040624B61

BFB Injection Date: 06/24/04

Instrument ID: 5973HP61

BFB Injection Time: 2038

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 16.6 |
| 75 | 30.0 - 60.0% of mass 95 | 47.3 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 0.6 (0.6)1 |
| 174 | Greater than 50.0% of mass 95 | 91.4 |
| 175 | 5.0 - 9.0% of mass 174 | 6.5 (7.1)1 |
| 176 | 95.0 - 101.0% of mass 174 | 92.0 (100.6)1 |
| 177 | 5.0 - 9.0% of mass 176 | 6.0 (6.5)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| 01 VSTD050 | VSTD050 | CU040624B61 | 06/24/04 | 2131 |
| 02 VBLKBU | 37643 | 37643B61 3340 | 06/24/04 | 2156 |
| 03 VBULCS | 37646 | 37646B61 3340 | 06/24/04 | 2222 |
| 04 MW-03 | 334013 | 334013RB61 | 06/24/04 | 2312 |
| 05 MW-07 | 334014 | 334014B61 | 06/24/04 | 2337 |
| 06 | | | | |
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Instrument ID: 5973HP61

Calibration Date: 06/23/04

Time: 1730

Lab File ID: CS040623B61

Init. Calib. Date(s): 06/10/04

06/10/04

Init. Calib. Times: 2151

2352

GC Column: RTX-VMS ID: 0.18 (mm)

| COMPOUND | RRF OR AMOUNT | RRF50 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|------------------------------|------------------|-----------------------|------------|-----------------|---------------------|--------------|
| Dichlorodifluoromethane | 0.2370000 | 0.2107755 | 0.001 | -11.06 | 25.00 | AVRG |
| Chloromethane | 0.3520000 | 0.3160007 | 0.1 | -10.23 | 25.00 | AVRG |
| Vinyl Chloride | 0.2720000 | 0.2572112 | 0.001 | -5.44 | 20.00 | AVRG |
| Bromomethane | 0.1550000 | 0.0759357 | 0.001 | -51.01 | 25.00 | AVRG <- |
| Chloroethane | 0.1520000 | 0.1385823 | 0.001 | -8.83 | 25.00 | AVRG |
| Trichlorofluoromethane | 0.3680000 | 0.3706028 | 0.001 | 0.71 | 25.00 | AVRG |
| 1,1-Dichloroethene | 0.2250000 | 0.2216572 | 0.001 | -1.48 | 20.00 | AVRG |
| Carbon disulfide | 0.6680000 | 0.6307753 | 0.001 | -5.57 | 25.00 | AVRG |
| 1,1,2-trichloro-1,2,2-triflu | 0.2580000 | 0.2620601 | 0.001 | 1.57 | 25.00 | AVRG |
| Acetone | 0.0600000 | 0.0388936 | 0.001 | -35.18 | 25.00 | AVRG <- |
| Methylene Chloride | 0.2720000 | 0.2352842 | 0.001 | -13.50 | 25.00 | AVRG |
| trans-1,2-Dichloroethene | 0.2600000 | 0.2519672 | 0.001 | -3.09 | 25.00 | AVRG |
| Methyl-tert-butyl ether | 0.6200000 | 0.5705013 | 0.001 | -7.98 | 25.00 | AVRG |
| 1,1-Dichloroethane | 0.4130000 | 0.3968201 | 0.1 | -3.92 | 25.00 | AVRG |
| cis-1,2-Dichloroethene | 0.2690000 | 0.2654811 | 0.001 | -1.31 | 25.00 | AVRG |
| 2-butanone | 0.0950000 | 0.0724404 | 0.001 | -23.75 | 25.00 | AVRG |
| Chloroform | 0.4300000 | 0.4150821 | 0.001 | -3.47 | 20.00 | AVRG |
| 1,1,1-Trichloroethane | 0.3350000 | 0.3670285 | 0.001 | 9.56 | 25.00 | AVRG |
| Carbon Tetrachloride | 0.3020000 | 0.3514001 | 0.001 | 16.36 | 25.00 | AVRG |
| Benzene | 0.9820000 | 0.9488496 | 0.001 | -3.38 | 25.00 | AVRG |
| 1,2-Dichloroethane | 0.3190000 | 0.2694335 | 0.001 | -15.54 | 25.00 | AVRG |
| Trichloroethene | 0.2840000 | 0.3149619 | 0.001 | 10.90 | 25.00 | AVRG |
| 1,2-Dichloropropane | 0.2550000 | 0.2352829 | 0.001 | -7.73 | 20.00 | AVRG |
| Bromodichloromethane | 0.3020000 | 0.2758261 | 0.001 | -8.67 | 25.00 | AVRG |
| cis-1,3-Dichloropropene | 0.3740000 | 0.3703242 | 0.001 | -0.98 | 25.00 | AVRG |
| 4-Methyl-2-pentanone | 0.2250000 | 0.1712828 | 0.001 | -23.87 | 25.00 | AVRG |
| Toluene | 0.6960000 | 0.7188524 | 0.001 | 3.28 | 20.00 | AVRG |
| trans-1,3-Dichloropropene | 0.3870000 | 0.3743215 | 0.001 | -3.28 | 25.00 | AVRG |
| 1,1,2-Trichloroethane | 0.3040000 | 0.2742341 | 0.001 | -9.79 | 25.00 | AVRG |
| Tetrachloroethene | 0.2160000 | 0.2614124 | 0.001 | 21.02 | 25.00 | AVRG |
| 2-hexanone | 0.1590000 | 0.1165401 | 0.001 | -26.70 | 25.00 | AVRG <- |
| Dibromochloromethane | 0.3640000 | 0.3526157 | 0.001 | -3.13 | 25.00 | AVRG |
| 1,2-Dibromoethane | 0.2600000 | 0.2690314 | 0.001 | 3.47 | 25.00 | AVRG |
| Chlorobenzene | 0.9050000 | 0.9037901 | 0.3 | -0.13 | 25.00 | AVRG |
| Ethylbenzene | 0.4640000 | 0.4755779 | 0.001 | 2.50 | 20.00 | AVRG |
| Styrene | 0.9390000 | 0.9436924 | 0.001 | 0.50 | 25.00 | AVRG |
| Bromoform | 0.2400000 | 0.2486892 | 0.1 | 3.62 | 25.00 | AVRG |
| Isopropyl Benzene | 1.2270000 | 1.3698768 | 0.001 | 11.64 | 25.00 | AVRG |
| 1,1,2,2-Tetrachloroethane | 0.6930000 | 0.5830596 | 0.3 | -15.86 | 25.00 | AVRG |
| 1,3-Dichlorobenzene | 1.3160000 | 1.3770953 | 0.001 | 4.64 | 25.00 | AVRG |
| 1,4-Dichlorobenzene | 1.4660000 | 1.4662817 | 0.001 | 0.02 | 25.00 | AVRG |
| 1,2-Dichlorobenzene | 1.3510000 | 1.3435378 | 0.001 | -0.55 | 25.00 | AVRG |

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Instrument ID: 5973HP61

Calibration Date: 06/23/04

Time: 1730

Lab File ID: CS040623B61

Init. Calib. Date(s): 06/10/04

06/10/04

Init. Calib. Times: 2151

2352

GC Column: RTX-VMS ID: 0.18 (mm)

| COMPOUND | RRF OR AMOUNT | RRF50 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|-----------------------------|------------------|-----------------------|------------|-----------------|---------------------|--------------|
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 1,2-Dibromo-3-Chloropropane | 0.1560000 | 0.1497496 | 0.001 | -4.01 | 25.00 | AVRG |
| 1,2,4-Trichlorobenzene | 0.6970000 | 0.7460811 | 0.001 | 7.04 | 25.00 | AVRG |
| Xylene (total) | 0.5410000 | 0.5733605 | 0.001 | 5.98 | 25.00 | AVRG |
| Methyl acetate | 0.1340000 | 0.0891084 | 0.001 | -33.50 | 25.00 | AVRG |
| Cyclohexane | 0.3050000 | 0.3421246 | 0.001 | 12.17 | 25.00 | AVRG |
| Methylcyclohexane | 0.2850000 | 0.3516194 | 0.001 | 23.38 | 25.00 | AVRG |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| Dibromofluoromethane | 0.2340000 | 0.2637324 | 0.001 | 12.71 | 25.00 | AVRG |
| 1,2-Dichloroethane-d4 | 0.2400000 | 0.2306717 | 0.001 | -3.89 | 25.00 | AVRG |
| Toluene-d8 | 0.8660000 | 1.0417527 | 0.001 | 20.29 | 25.00 | AVRG |
| Bromofluorobenzene | 0.6540000 | 0.7380504 | 0.001 | 12.85 | 25.00 | AVRG |

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Instrument ID: 5973HP61

Calibration Date: 06/24/04

Time: 2131

Lab File ID: CU040624B61

Init. Calib. Date(s): 06/10/04

06/10/04

Init. Calib. Times: 2151

2352

GC Column: RTX-VMS ID: 0.18 (mm)

| COMPOUND | RRF OR AMOUNT | RRF50 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|---------------------------------------|------------------|-----------------------|------------|-----------------|---------------------|--------------|
| Dichlorodifluoromethane | 0.2370000 | 0.2079915 | 0.001 | -12.24 | 25.00 | AVRG |
| Chloromethane | 0.3520000 | 0.2958440 | 0.1 | -15.95 | 25.00 | AVRG |
| Vinyl Chloride | 0.2720000 | 0.2646236 | 0.001 | -2.71 | 20.00 | AVRG |
| Bromomethane | 0.1550000 | 0.1105466 | 0.001 | -28.68 | 25.00 | AVRG |
| Chloroethane | 0.1520000 | 0.1533002 | 0.001 | 0.86 | 25.00 | AVRG |
| Trichlorofluoromethane | 0.3680000 | 0.3967536 | 0.001 | 7.81 | 25.00 | AVRG |
| 1,1-Dichloroethene | 0.2250000 | 0.2373165 | 0.001 | 5.47 | 20.00 | AVRG |
| Carbon disulfide | 0.6680000 | 0.6869564 | 0.001 | 2.84 | 25.00 | AVRG |
| 1,1,2-trichloro-1,2,2-trifluoroethane | 0.2580000 | 0.2790623 | 0.001 | 8.16 | 25.00 | AVRG |
| Acetone | 0.0600000 | 0.0505150 | 0.001 | -15.81 | 25.00 | AVRG |
| Methylene Chloride | 0.2720000 | 0.2630181 | 0.001 | -3.30 | 25.00 | AVRG |
| trans-1,2-Dichloroethene | 0.2600000 | 0.2755897 | 0.001 | 6.00 | 25.00 | AVRG |
| Methyl-tert-butyl ether | 0.6200000 | 0.6429075 | 0.001 | 3.69 | 25.00 | AVRG |
| 1,1-Dichloroethane | 0.4130000 | 0.4400547 | 0.1 | 6.55 | 25.00 | AVRG |
| cis-1,2-Dichloroethene | 0.2690000 | 0.2927265 | 0.001 | 8.82 | 25.00 | AVRG |
| 2-butanone | 0.0950000 | 0.0878510 | 0.001 | -7.52 | 25.00 | AVRG |
| Chloroform | 0.4300000 | 0.4616687 | 0.001 | 7.36 | 20.00 | AVRG |
| 1,1,1-Trichloroethane | 0.3350000 | 0.3920188 | 0.001 | 17.02 | 25.00 | AVRG |
| Carbon Tetrachloride | 0.3020000 | 0.3656330 | 0.001 | 21.07 | 25.00 | AVRG |
| Benzene | 0.9820000 | 1.0655097 | 0.001 | 8.50 | 25.00 | AVRG |
| 1,2-Dichloroethane | 0.3190000 | 0.3200972 | 0.001 | 0.34 | 25.00 | AVRG |
| Trichloroethene | 0.2840000 | 0.3371853 | 0.001 | 18.73 | 25.00 | AVRG |
| 1,2-Dichloropropane | 0.2550000 | 0.2630323 | 0.001 | 3.15 | 20.00 | AVRG |
| Bromodichloromethane | 0.3020000 | 0.3136225 | 0.001 | 3.85 | 25.00 | AVRG |
| cis-1,3-Dichloropropene | 0.3740000 | 0.4232156 | 0.001 | 13.16 | 25.00 | AVRG |
| 4-Methyl-2-pentanone | 0.2250000 | 0.2069454 | 0.001 | -8.02 | 25.00 | AVRG |
| Toluene | 0.6960000 | 0.7834438 | 0.001 | 12.56 | 20.00 | AVRG |
| trans-1,3-Dichloropropene | 0.3870000 | 0.4281875 | 0.001 | 10.64 | 25.00 | AVRG |
| 1,1,2-Trichloroethane | 0.3040000 | 0.3118756 | 0.001 | 2.59 | 25.00 | AVRG |
| Tetrachloroethene | 0.2160000 | 0.2760123 | 0.001 | 27.78 | 25.00 | AVRG |
| 2-hexanone | 0.1590000 | 0.1411080 | 0.001 | -11.25 | 25.00 | AVRG |
| Dibromochloromethane | 0.3640000 | 0.3955098 | 0.001 | 8.66 | 25.00 | AVRG |
| 1,2-Dibromoethane | 0.2600000 | 0.3071503 | 0.001 | 18.13 | 25.00 | AVRG |
| Chlorobenzene | 0.9050000 | 0.9963552 | 0.3 | 10.09 | 25.00 | AVRG |
| Ethylbenzene | 0.4640000 | 0.5243568 | 0.001 | 13.01 | 20.00 | AVRG |
| Styrene | 0.9390000 | 1.0578094 | 0.001 | 12.65 | 25.00 | AVRG |
| Bromoform | 0.2400000 | 0.2799930 | 0.1 | 16.66 | 25.00 | AVRG |
| Isopropyl Benzene | 1.2270000 | 1.4649786 | 0.001 | 19.40 | 25.00 | AVRG |
| 1,1,2,2-Tetrachloroethane | 0.6930000 | 0.6772070 | 0.3 | -2.28 | 25.00 | AVRG |
| 1,3-Dichlorobenzene | 1.3160000 | 1.5260532 | 0.001 | 15.96 | 25.00 | AVRG |
| 1,4-Dichlorobenzene | 1.4660000 | 1.6634851 | 0.001 | 13.47 | 25.00 | AVRG |
| 1,2-Dichlorobenzene | 1.3510000 | 1.5177662 | 0.001 | 12.34 | 25.00 | AVRG |

page 1 of 2

FORM VII VOA

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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 3340

Instrument ID: 5973HP61

Calibration Date: 06/24/04

Time: 2131

Lab File ID: CU040624B61

Init. Calib. Date(s): 06/10/04

06/10/04

Init. Calib. Times: 2151

2352

GC Column: RTX-VMS ID: 0.18 (mm)

| COMPOUND | RRF OR AMOUNT | RRF50 OR AMOUNT | MIN RRF | %D OR %DRIFT | MAX %D OR %DRIFT | CURV TYPE |
|-----------------------------|------------------|-----------------------|------------|-----------------|---------------------|--------------|
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 1,2-Dibromo-3-Chloropropane | 0.1560000 | 0.1712973 | 0.001 | 9.80 | 25.00 | AVRG |
| 1,2,4-Trichlorobenzene | 0.6970000 | 0.7946301 | 0.001 | 14.01 | 25.00 | AVRG |
| Xylene (total) | 0.5410000 | 0.6245311 | 0.001 | 15.44 | 25.00 | AVRG |
| Methyl acetate | 0.1340000 | 0.1118348 | 0.001 | -16.54 | 25.00 | AVRG |
| Cyclohexane | 0.3050000 | 0.3608832 | 0.001 | 18.32 | 25.00 | AVRG |
| Methylcyclohexane | 0.2850000 | 0.3646904 | 0.001 | 27.96 | 25.00 | AVRG |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| Dibromofluoromethane | 0.2340000 | 0.2641382 | 0.001 | 12.88 | 25.00 | AVRG |
| 1,2-Dichloroethane-d4 | 0.2400000 | 0.2387123 | 0.001 | -0.54 | 25.00 | AVRG |
| Toluene-d8 | 0.8660000 | 1.0231620 | 0.001 | 18.15 | 25.00 | AVRG |
| Bromofluorobenzene | 0.6540000 | 0.7237237 | 0.001 | 10.66 | 25.00 | AVRG |

<-



Peter Fairbanks

08/26/2004 01:35 PM

To: rraimonde@compuchemlabs.com

cc: TPace@PIRNIE.COM

Subject: Fort Story - Data Review Comments for VOCs by SW8260B

Rodney,

Please address the following data review questions and submit the requested information to the URS Corporation (Buffalo, NY Office) by September 2, 2004, so that the data review may be completed.

A. SDG No. 3340 (80th Division Reserve Site)

1. The chain-of-custody (COC) associated with samples collected on 06/16/04 indicates 2-40 ml VOA vials (trip blank) were received at the lab. Yet, no trip blank results were reported by the lab. Please clarify.
2. The case narrative incorrectly references the dates of sample receipt i.e., 06/16, 6/17, 06/18, and 06/21/04. The samples were actually received from 06/15-06/19/04. Please resubmit the case narrative and Form 1 for sample MW-07 with the correct dates of sample receipt.

A. SDG No. 3654 (LARC 60 Site)

1. The case narrative incorrectly references the date of sample receipt i.e., 07/27. The samples were actually received on 07/14/04. Please resubmit the case narrative with the correct date of sample receipt.

Peter R. Fairbanks
Senior Chemist
URS Corporation
640 Ellicott Street, 3rd Floor
Buffalo, New York 14203
Tel: 716.856.5636, ext. 1121
Fax: 716.856.2545



"Rodney Raimonde"
<r.aimonde@compuch
emlabs.com>

09/02/2004 03:01 PM

To: <Peter_Fairbanks@URSCorp.com>
cc:
Subject: RE: Fort Story - Data Review Comments for VOCs by SW8260B

Peter;

Below are the answers to the inquiry and your questions sent 8/26/04.

A. SDG No. 3340 (80th Division Reserve Site)

1. The chain-of-custody (COC) associated with samples collected on 06/16/04 indicates 2-40 ml VOA vials (trip blank) were received at the lab. Yet, no trip blank results were reported by the lab. Please clarify.

The chain-of-custody noted that there were two 40ml vials received in the cooler that were not listed on the COC by the client for analysis. A check of the bottles revealed that the vials only had the CompuChem lab pure water trip blank label on them and nothing from the client. A message was left for the client regarding this issue. Since there was no request by the client for analysis of the trip blanks they were not analyzed.

2. The case narrative incorrectly references the dates of sample receipt i.e., 06/16, 6/17, 06/18, and 06/21/04. The samples were actually received from 06/15-06/19/04. Please resubmit the case narrative and Form 1 for sample MW-07 with the correct dates of sample receipt.

The samples were physically received at the laboratory on Saturday the 19th and the temperature of the containers was taken. The samples were not logged into the LMS system until Monday the 21st, therefore the internal log sheets have the receipt date of the 21st.

A. SDG No. 3654 (LARC 60 Site)

1. The case narrative incorrectly references the date of sample receipt i.e., 07/27. The samples were actually received on 07/14/04. Please resubmit the case narrative with the correct date of sample receipt.

Attached is the corrected narrative.

Peter;

Please let me know if there is anything else that you need provided for this project.

Thank you;

Rodney A. Raimonde
CompuChem
919-379-4018
919-379-4040 (fax)

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